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**Strategijski plan usvajanja standarda i drugih  
standardizacijskih dokumenta  
u Bosni i Hercegovini  
za period 2019 - 2021. godina**

## SADRŽAJ

PREDGOVOR .....	4
1. UVOD .....	5
1.1 Standardizacija .....	5
1.2 Koristi od primjene standarda .....	6
1.3 Osnovne informacije o Strategijskom planu usvajanja standarda u Bosni i Hercegovini za period 2019 – 2021. godina .....	6
2. TIJELO ZA STANDARDIZACIJU BOSNE I HERCEGOVINE – BAS.....	6
3. SVRHA I CILJ STRATEGIJSKOG PLANA USVAJANJA STANDARDARDA I DRUGIH STANDARDIZACIJSKIH DOKUMENATA U BOSNI I HERCEGOVINI ZA PERIOD 2019 – 2021. GODINA .....	8
4. METODOLOGIJA IZRADE STRATEGIJSKOG PLANA USVAJANJA STANDARDARDA I DRUGIH STANDARDIZACIJSKIH DOKUMENATA U BOSNI I HERCEGOVINI ZA PERIOD 2019 – 2021. GODINA.....	8
5.1 Analiza prioriternih ekonomskih sektora u Bosni i Hercegovini.....	9
5.2 Analiza prioriternih neekonomskih kriterijuma u pojedinim sektorima u Bosni i Hercegovini.....	11
5.3 Pregled najznačajnijih oblasti razvoja .....	14
6. REZULTATI ANALIZE .....	18
6.1 Općenito .....	18
6.2 Ljudski potencijali .....	21
6.3 Finansijski resursi .....	26
7. ZAKLJUČAK.....	28
DODATAK A Lista planiranih standarda za usvajanje u Strategijskom planu usvajanja standarda za period 2019 – 2021. godina, prema sektorima i godinama preuzimanja..	29

## Lista skraćenica

Ad	Preuzimanje standarda na engleskom jeziku
AdTr <sup>1</sup>	Preuzimanje standarda metodom prijevoda na jednom od službenih jezika u Bosni i Hercegovini
Amd	Amandman
BAS	Bosanskohercegovački standard
BAS/TC	Tehnički komitet za standardizaciju Instituta
BDP	Bruto domaći proizvod
BHAS	Agencija za statistiku Bosene i Hercegovine
CEFTA	Sporazum o slobodnoj trgovini u Centralnoj Evropi
CEN	Evropski komitet za standardizaciju
CENELEC	Evropski komitet za standardizaciju u oblasti elektrotehnike
CIE	Međunarodna komisija za osvjetljenje
Cor	Tehnička korekcija
DEVCO	Komitet za pitanja zemalja u razvoju
ED	Zaposleni u Odjeljenju za informaciono - dokumentacione poslove
EFTA	Evropska asocijacija za slobodnu trgovinu
EN	Evropski standard
ETSI	Evropski institut za standarde iz oblasti telekomunikacija
EU	Evropska Unija
FprEN	Konačni nacrt evropskog standarda
IEC	Međunarodna elektrotehnička komisija
Institut	Institut za standardizaciju Bosne i Hercegovine
ISO	Međunarodna organizacija za standardizaciju
JTC	Zajednički tehnički komitet
Mo	Praćenje razvoja međunarodnog ili evropskog standarda
nsBAS	Nacrt bosanskohercegovačkog standarda
pnBAS	Prednacrt bosanskohercegovačkog standarda
prBAS	Projekat bosanskohercegovačkog standarda
prEN	Prednacrt/nacrt evropskog standarda
REMCO	Komitet za referentne materijale
SC	Potkomitet
SMTK	Standardna međunarodna trgovinska klasifikacija
STO	Svjetska trgovinska organizacija
TBT	Tehničke barijere u trgovini
TC	Tehnički komitet
TO	Tehnički sekretar/koordinator
TR	Tehnički izveštaj
TS	Tehnička specifikacija

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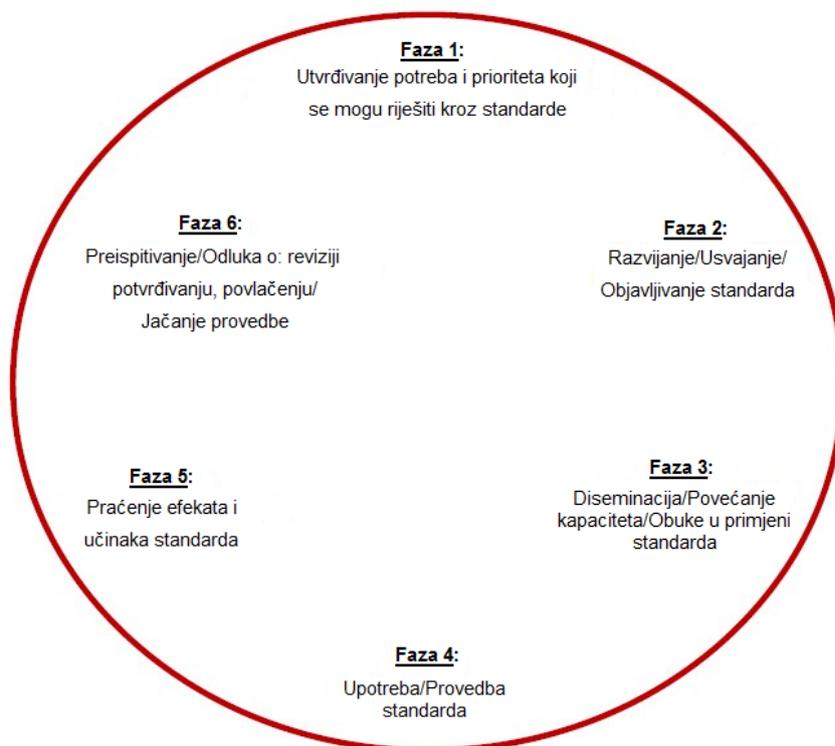
<sup>1</sup> Za potrebe ovog dokumenta korištena je skraćenica *AdTr* umjesto *pv*. Naime, Internim pravilima za standardizaciju Instituta definisano je da je skraćenica za metodu prijevoda *pv*.

## PREDGOVOR

Ovaj dokument izradio je Institut za standardizaciju Bosne i Hercegovine (u daljem tekstu: Institut) kao državno tijelo za standardizaciju Bosne i Hercegovine, u skladu sa ISO Uputstvom za izradu nacionalnih standardizacijskih strategija (*Developing National Standardization Strategies – Manual, Version 2.1, 2018-01-15*) koje je pripremila Međunarodna organizacija za standardizaciju (ISO), a na osnovu državnih prioriteta kao što su ekonomski, neekonomski i socijalni prioriteti, kao i na osnovu potreba zainteresiranih strana i obaveza koje proistječu iz članstva u evropskim i međunarodnim organizacijama za standardizaciju.

Svrha ovog dokumenta je planiranje usvajanja bosanskohercegovačkih standarda i drugih standardizacijskih dokumenata (u daljem tekstu: standarda) za period 2019 – 2021. godina, da bi se kroz provedbu planiranih aktivnosti i uz primjenu usvojenih standarda ispunili zahtjevi korisnika, spriječile tehničke barijere u trgovini, sagledale aktivnosti u narednom periodu i osigurali potrebni resursi.

U navedenom Uputstvu za izradu nacionalnih standardizacijskih strategija uveden je pojam „*the standardization life cycle*” (slika 1) koji obuhvata cjelokupan „ciklus standardizacije”, odnosno svih 6 faza kojima su obuhvaćeni razvoj, usvajanje, primjena i praćenje „života” standarda, a na kraju i njihovo preispitivanje i unaprijeđenje. Ovakvim pristupom se na najbolji mogući način prate potrebe zainteresiranih strana i utvrđuju načini da standardizacija zapravo služi potrebama privrede i društva, a sve to radi postizanja što višeg životnog standarda na svakom polju. Strategijski plan usvajanja standarda i drugih standardizacijskih dokumenata za period 2019 - 2021. godina (u daljem tekstu: Strategijski plan) prvenstveno obuhvata fazu 1 i fazu 2 ovog ciklusa u smislu definiranja državnih prioriteta i potreba za standardima.



**Slika 1 – „Ciklus standardizacije”**

Na osnovu člana 7, stav 1, alineja a) Zakona o standardizaciji Bosne i Hercegovine („Službeni glasnik BiH”, broj 19/01), ovaj strategijski plan usvojilo je Vijeće za standardizaciju Bosne i Hercegovine elektronskim glasanjem 23. 5. 2019. godine.

# 1. UVOD

## 1.1 Standardizacija

Standardizacija je djelatnost uspostavljanja odredaba (pravila) za opću i višekratnu upotrebu, koje se odnose na postojeće ili moguće probleme, radi postizanja optimalnog stepena uređenosti u određenoj oblasti. Standardizacijske aktivnosti se prvenstveno sastoje od pripreme, oblikovanja i izdavanja standarda, te omogućavanja primjene standarda.

Standard je dokument za opću i višekratnu uporabu, donesen konsenzusom i odobren od priznatog tijela, koji sadrži pravila, smjernice ili karakteristike aktivnosti ili njihove rezultate i koji ima za cilj postizanje optimalnog stupnja uređenosti u datom kontekstu. Oni se moraju temeljiti na provjerenim naučnim, tehnološkim i iskustvenim rezultatima, a cilj im je dosezanje optimalnog napretka zajednice. Standarde i druge standardizacijske dokumente donose međunarodne ili regionalne organizacije za standardizaciju, kao i državna tijela za standardizaciju. Državno tijelo za standardizaciju u Bosni i Hercegovini je Institut za standardizaciju BiH – BAS.

Ciljevi državne standardizacije Bosne i Hercegovine su:

1. Pospješivanje međunarodne trgovine sprječavanjem ili uklanjanjem barijera koje proizilaze iz neutemeljenih razlika pri poslovanju na državnom nivou;
2. Povećanje nivoa sigurnosti, zaštite zdravlja i života, te sigurnosti okoliša;
3. Unaprjeđenje cjelishodnog iskorištenja rada, materijala i energije u procesima proizvodnje;
4. Poboljšanje proizvodne uspješnosti, uz upravljanje raznolikostima, usklađenosti i zamjenjivosti;
5. Unaprjeđenje kvalitete proizvoda, procesa i usluga utvrđivanjem njihovih karakteristika, kojima mogu zadovoljiti postavljene zahtjeve, odnosno utvrđenu namjenu.

Osnovna načela državne standardizacije Bosne i Hercegovine su:

1. Dobrovoljno učestvovanje i doprinos svih zainteresiranih strana u pripremi i usvajanju državnih standarda BiH;
2. Dobrovoljna primjena i korištenje državnih standarda BiH;
3. Konsenzus, koji znači načelno slaganje značajnijeg dijela zainteresiranih o sadržaju državnog standarda BiH;
4. Prioritet zajedničkih interesa zainteresiranih strana nad pojedinačnim interesima;
5. Transparentnost rada u pripremi i dostupnost javnosti državnih standarda BiH;
6. Međusobna usklađenost državnih standarda BiH;
7. Poštivanje dostignutog stanja tehnike i pravila međunarodne i europske standardizacije.

Kroz ostvarivanje principa dobrovoljnog učešća svih zainteresiranih strana, konsenzusom se utvrđuju standardi koji sadrže pravila, zahtjeve, karakteristike, uputstva, preporuke ili smjernice za aktivnosti ili njihove rezultate, radi postizanja optimalnog nivoa uređenosti u određenoj oblasti u odnosu na postojeće ili moguće probleme. Uloga standarda u osiguravanju pretpostavke o usklađenosti sa bitnim zahtjevima odgovarajućih europskih tehničkih propisa je veoma značajna u procesu usaglašavanja državnog sa europskim tehničkim zakonodavstvom. Osim toga, standardizacija doprinosi razvoju i unaprjeđivanju proizvodnje i prometa proizvoda, izvođenju radova, odnosno vršenju usluga, poboljšanju kvaliteta proizvoda, procesa i usluga, njihovoj tipizaciji, kompatibilnosti i zamjenjivosti, unaprjeđivanju zaštite života, zdravlja i sigurnosti ljudi, imovine i okoliša, kao i unaprjeđivanju međunarodne trgovine sprječavanjem i otklanjanjem nepotrebnih tehničkih barijera.

## 1.2 Koristi od primjene standarda

Važne koristi od standardizacije su unaprjeđenje pogodnosti proizvoda, procesa i usluga za predviđene svrhe, sprječavanje barijera u trgovini, te olakšavanje tehnološke saradnje. Standardizacija pomaže stvaranju održivosti i koristi za sve ljude u globalnom društvu. Za nesmetano i slobodno kretanje ljudi, robe, usluga i kapitala neophodno je omogućiti uporedivost, koja se može ostvariti standardizacijom. Zemlje u cijelom svijetu prihvatile su proces standardizacije, shvaćen kao proces usaglašavanja koji se vrši na svim nivoima i u svim oblastima. Koristi od primjene standarda su višestruke, a između ostalog i sljedeće.

Standardi:

- osiguravaju da proizvodi odgovaraju svojoj namjeni;
- povećavaju sigurnost proizvoda i usluga;
- predstavljaju osnovu za poboljšanje kvaliteta proizvoda i usluga;
- predstavljaju tehničku osnovu za donošenje propisa i podršku u njihovoj provedbi;
- olakšavaju trgovinu između različitih zemalja i doprinose uklanjanju tehničkih barijera u trgovini;
- odslikavaju trenutno stanje razvijenosti nauke i tehnike i na taj način predstavljaju putokaz zemljama u razvoju na njihovom putu ka svjetskom tržištu;
- omogućavaju efikasnije korištenje resursa u procesu proizvodnje;
- doprinose očuvanju zdravlja i okoliša.

## 1.3 Osnovne informacije o Strategijskom planu usvajanja standarda u Bosni i Hercegovini za period 2019 – 2021. godina

Puna integracija privrede Bosne i Hercegovine u jedinstveno tržište Europske unije (u daljem tekstu: EU) koje danas čini tržišta 28 država članica, predstavlja jedan od strateških ciljeva Bosne i Hercegovine. Put Bosne i Hercegovine ka pridruživanju EU i punopravnom članstvu u Svjetskoj trgovinskoj organizaciji (u daljem tekstu: STO) podrazumijeva, pored mnogih drugih aktivnosti, i usklađenost bosanskohercegovačkih standarda sa europskim (EN) i međunarodnim standardima (ISO, IEC), radi poštivanja zahtjeva jedinstvenog tržišta.

Imajući u vidu navedeno, ovaj dokument prije svega sadrži sve elemente iz ISO-ovog Uputstva za izradu nacionalnih strategija standardizacija (*Developing National Standardization Strategies – Manual*), a pripremljen je i izrađen u skladu sa internim pravilima standardizacije Instituta, koja su usklađena sa europskim i međunarodnim pravilima.

Ovaj srednjoročni strateški plan usvajanja standarda treba shvatiti kao poziv svim zainteresiranim stranama da doprinesu njegovoj dosljednoj provedbi i stalnom razvoju.

## 2. TIJELO ZA STANDARDIZACIJU BOSNE I HERCEGOVINE – BAS

### 2.1 Opće informacije

Prema Zakonu o standardizaciji Bosne i Hercegovine („Službeni glasnik BiH”, broj 19/01) i Zakonu o osnivanju Instituta za standardizaciju Bosne i Hercegovine („Službeni glasnik BiH”, broj 44/04) Institut je samostalna državna upravna organizacija i jedino državno tijelo za standardizaciju u Bosni i Hercegovini, koje predstavlja Bosnu i Hercegovinu u međunarodnim i europskim organizacijama za standardizaciju.

Institut je punopravni član Međunarodne organizacije za standardizaciju ISO od 1997. godine i Europskog instituta za standardizaciju u oblasti telekomunikacija ETSI od 1997. godine, pridruženi član: Međunarodne komisije za elektrotehniku IEC od 1997. godine, Europskog komiteta za standardizaciju u oblasti elektrotehnike CENELEC od 1999. godine i Europskog komiteta za standardizaciju CEN od 2008. godine.

Jedan od strateških ciljeva Instituta za standardizaciju BiH je punopravno članstvo u europskim organizacijama za standardizaciju CEN i CENELEC. U skladu *CEN/CENELEC Internal Regulations - Part 1: Organization and structure*, Institut aktivno radi na ispunjavanju zahtjeva za punopravno članstvo u CEN-u i CENELEC-u. Institut je preuzeo 86,68 %<sup>2</sup> svih evropskih standarda, a u svom radu poštuje i primjenjuje sva uputstva koja su objavile europske i međunarodne organizacije za standardizaciju.

Sve aktivnosti koje Institut provodi, izvode se radi ispunjenja misije i vizije Instituta koje su date u nastavku:

**Misija Instituta:** voditi, održavati i unaprijediti sistem standardizacije u Bosni i Hercegovini zastupajući interese svih zainteresiranih strana u oblasti standardizacije poštujući zahtjeve i preporuke europskih i međunarodnih organizacija za standardizaciju u cilju uspostavljanja i održavanja efikasnog sistema standardizacije Bosne i Hercegovine.

**Vizija Instituta:** biti europska institucija od značaja za Bosnu i Hercegovinu, prepoznatljiva na nivou Bosne i Hercegovine i na globalnom nivou, koja nudi i omogućava korištenje standarda, usluga i visoko kvalitetnih rješenja.

Srednjoročni cilj Instituta za standardizaciju BiH je: unaprijediti sistem infrastrukture kvaliteta u skladu sa EU zakonodavstvom i dobrom praksom EU, efikasniju regulaciju tržišta u svrhu osiguranja slobodnog kretanja roba i usluga i tržišne fer konkurencije. Provođenjem aktivnosti iz svoje nadležnosti Institut ima za cilj da podigne ugled bosanskohercegovačke standardizacije; te nivo svijesti bosanskohercegovačke javnosti o važnosti i ulozi standarda i standardizacije općenito. Također ciljevi Instituta su unaprjeđenje i razvoj bosanskohercegovačke standardizacije u cilju ispunjenja zahtjeva za status punopravnog člana u evropskim organizacijama za standardizaciju CEN i CENELEC; uključanje bosanskohercegovačkih eksperata u aktivan rad međunarodnih i europskih radnih tijela za standardizaciju za djelatnosti koje su od značaja za Bosnu i Hercegovinu; i unapređenje informacione djelatnosti o standardima i tehničkim propisima u cilju bolje informiranosti svih zainteresiranih strana kako u Bosni i Hercegovini, tako i izvan nje.

## 2.2 Djelatnost Instituta

U području standardizacije:

predlaže strategiju standardizacije u Bosni i Hercegovini, priprema i izdaje bosanskohercegovačke standarde, zastupa i predstavlja Bosnu i Hercegovinu u međunarodnim i drugim međudržavnim organizacijama za standardizaciju, te obavlja poslove koji proizilaze iz međunarodnih sporazuma i članstva u tim organizacijama, učestvuje u pripremanju tehničkih propisa, razvija i uspostavlja informacioni sistem o standardima i drugim srodnim dokumentima, proglašava standarde BiH, organizira i provodi specijalističko obrazovanje kadrova u području standardizacije, bavi se izdavačko-publicističkom djelatnošću iz područja standardizacije.

U području ocjenjivanja usklađenosti:

učestvuje u uspostavi i održavanju sistema certificiranja i homologizacije u skladu s europskim modelom. Zastupa Bosnu i Hercegovinu u europskim i međunarodnim organizacijama za ocjenjivanje usklađenosti (EOTC i EUROLAB, itd) do formiranja asocijacije ispitnih laboratorija i

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<sup>2</sup> *CEN/CENELEC Quarterly report on the national implementation of European standards (harmonized and non-harmonized) - The first quarter of 2019*

asocijacije kalibracionih laboratorija i organizira obrazovanje iz područja ocjenjivanja usklađenosti.

### **3. SVRHA I CILJ STRATEGIJSKOG PLANA USVAJANJA STANDARDARDA I DRUGIH STANDARDIZACIJSKIH DOKUMENATA U BOSNI I HERCEGOVINI ZA PERIOD 2019 – 2021. GODINA**

Osnovna svrha izrade Strategijskog plana je uspostavljanje što bližeg međusobnog odnosa između razvoja i usvajanja bosanskohercegovačkih standarda i drugih standardizacijskih dokumenata sa jedne strane i ekonomskih i socijalnih prioriteta, kao i drugih državnih prioriteta sa druge strane. Strategijski plan sadrži listu standarda koje treba usvojiti u trogodišnjem periodu. Poseban akcenat daje se uključivanju svih zainteresiranih strana u Bosni i Hercegovini na davanju prijedloga za usvajanje standarda, praćenje i analiziranje potreba zainteresiranih strana kao i analizu ekonomskih podataka. Ovi standardi su neophodni korisnicima za njihov uspješan rad, praćenje razvoja tehnologije i konkurenost na tržištu. Za izradu ovog strategijskog plana odgovoran je Institut, tijelo za standardizaciju Bosne i Hercegovine.

Strategijski plan također identificira i oblasti u kojima standardi nisu zastupljeni, a neophodni su za podršku raznim aktivnostima u smislu povećanja efikasnosti u tim oblastima i za podsticanje razvoja i rasta. Na taj način strategijski plan ima za cilj da identifikuje standarde koji su potrebni za povećanje bruto domaćeg proizvoda (BDP), izvoza, relevantnih neekonomskih (socijalnih) pitanja i očekivanih budućih potreba zainteresiranih strana.

Također, cilj ovog strategijskog plana je da posluži kao sredstvo u ispunjenju misije i vizije Instituta.

### **4. METODOLOGIJA IZRADE STRATEGIJSKOG PLANA USVAJANJA STANDARDARDA I DRUGIH STANDARDIZACIJSKIH DOKUMENATA U BOSNI I HERCEGOVINI ZA PERIOD 2019 – 2021. GODINA**

Prilikom izrade Strategijskog plana uzeta su u obzir dva ključna aspekta.

Kao pridruženi član europskih organizacija za standardizaciju (CEN i CENELEC) i punopravni član Europskog instituta za standardizaciju u oblasti telekomunikacija (ETSI), Institut je u obavezi da preuzima sve europske standarde u sistem bosanskohercegovačke standardizacije i da povlači standarde koji su konfliktni sa europskim. Također kao pridruženi član europskih organizacija za standardizaciju (CEN i CENELEC) Institut ima obavezu da u sistem bosanskohercegovačke standardizacije preuzme sve europske standarde, za one europske tehničke komitete u kojima je Institut prijavljen kao posmatrač (91 europski komitet za standardizaciju i to: 74 CEN/TC-a i 12 CLC/TC-a).

Ukoliko u određenim oblastima standardizacije za pojedine predmete nisu objavljeni odgovarajući europski standardi i u planovima europskih organizacija za standardizaciju nije predviđeno njihovo donošenje, po zahtjevu zainteresovanih strana planirano je usvajanje bosanskohercegovačkih standarda na osnovu odgovarajućih međunarodnih standarda (ISO, IEC). Ovo se posebno odnosi na oblast informacionih tehnologija koje su u djelokrugu rada zajedničkog komiteta za informacione tehnologije ISO/IEC JTC 1. Ukoliko u određenoj oblasti standardizacije nisu objavljeni ni europski ni međunarodni standardi i ne predstoji njihovo donošenje, pokreću se projekti izrade izvornih bosanskohercegovačkih standarda, pri čemu će biti ispoštovana pravila europskih organizacija za standardizaciju, relevantnih odredbi Sporazuma o tehničkim barijerama u trgovini STO, Direktive 98/34/EC, kao i internih pravila za standardizaciju, procedura i uputstava Instituta.

Institut je u decembru 2018. godine uputio poziv institucijama Bosne i Hercegovine, Federacije Bosne i Hercegovine, Republike Srpske, Brčko Distrikta, te privatnim i javnim preduzećima iz čitave Bosne i Hercegovine (ukupno 1395 poziva) da iskažu svoje potrebe za europskim, međunarodnim odnosno izvornim bosanskohercegovačkim standardima, i koje bi Institut preuzeo u sistem bosanskohercegovačke standardizacije, odnosno izradio u narednom trogodišnjem periodu. Pozivu su se odazvalo 25 zainteresiranih strana i to: tijela državne uprave u Bosni i Hercegovini na svim nivoima, proizvodne firme, uslužne firme, fakulteti, certifikacijske firme i strukovna udruženja. Od institucija koje čine infrastrukturu kvaliteta u Bosni i Hercegovini svoje prijedlog dostavili su Institut za mjeriteljstvo BiH i Agencija za nadzor nad tržištem BiH. Ukupan broj predloženih projekata iznosi nešto više od 170 (164 predložena standarda i 8 oblasti u kojima se predlaže usvajanje standarda).

Svi prijedlozi su analizirani, a oni koji su neodgovarajući su izostavljeni. Pod neodgovarajućim prijedlozima smatraju se svi primljeni zahtjevi za usvajanje standarda koji su konfliktni sa europskim, zatim oni koji su već usvojeni kao bosanskohercegovački standardi ili predmet standardizacije koji nije bio dobro specificiran, a zainteresirana strana na dodatni upit nije dostavila pojašnjenje u vezi sa istim.

## **5. KRITERIJI IZRADE SRATEGIJSKOG PLANA USVAJANJA STANDARDA I DRUGIH STANDARDIZACIJSKIH DOKUMENATA ZA PERIOD 2019 - 2021. GODINA**

U skladu sa ISO Uputstvom za izradu nacionalnih standardizacijskih strategija, izvršena je analiza i poređenje prioriteta standardizacije u Bosni i Hercegovini, a nakon toga su dobiveni podaci upoređeni sa zahtjevima koje su dostavile zainteresirane strane.

Koristeći ovu metodologiju, razmatrane su tri kategorije prioriteta standardizacije:

- 5.1 Ekonomski prioriteti (analizirani na osnovu udjela u BDP-u, izvozu i uvozu)
- 5.2 Neekonomski prioriteti (analizirani na osnovu kvaliteta života)
- 5.3 Prioritetne oblasti razvoja u Bosni i Hercegovini (analizirani na osnovu strategija razvoja državnih i entitetskih vlada i ministarstava).

### **5.1 Analiza prioriteta ekonomskih sektora u Bosni i Hercegovini**

Prilikom razvoja Strategijskog plana prvenstveno su razmatrani ekonomski faktori, pri čemu su korišteni zvanični statistički podaci Agencije za statistiku Bosne i Hercegovine za 2017. godinu za pojedinačno učešće u BDP-u. Podaci za 21 ekonomski sektor razvrstani su, a nakon toga im je dodijeljen rang prema sljedećim kriterijima:

Rang 1	>10%	BDP/izvoz/uvoz
Rang 2	5 - 10%	BDP/izvoz/uvoz
Rang 3	1 - 5%	BDP/izvoz/uvoz
Rang 4	0,2 - 1%	BDP/izvoz/uvoz
Rang 5	< 0,2%	BDP/izvoz/uvoz

Pored toga, razmotreni su, razvrstani prema istim kriterijima, a na isti način dodijeljen je rang i ekonomskim sektorima koji imaju značajno učešće u izvozu i uvozu za 2017. godinu. Navedeni podaci prikazani su u Tabelama 1, 2 i 3, i to: Tabela 1 – Ekonomski sektori u Bosni i Hercegovini razvrstani prema njihovom učešću u BDP-u, Tabela 2 – Ekonomski sektori u Bosni i Hercegovini razvrstani prema njihovom učešću u izvozu i Tabela 3 – Ekonomski sektori u Bosni i Hercegovini razvrstani prema njihovom učešću u uvozu. Kao izvor informacija za izradu navedenih Tabala korišteni su zvanični podaci Agencije za statistiku Bosne i Hercegovine (<http://www.bhas.gov.ba>).

**Tabela 1 – Ekonomski sektori u Bosni i Hercegovini razvrstani prema njihovom učešću u BDP-u<sup>3</sup>**

Ekonomski sektor	Učešće u BDP-u % (ukupno 85,15)	Rang
Trgovina na veliko i malo; popravak motornih vozila i motocikala	13,9%	1
Prerađivačka industrija	13,1%	1
Javna uprava i odbrana; obavezno socijalno osiguranje	7,8%	2
Poljoprivreda, šumarstvo i ribolov	5,6%	2
Poslovanje nekretninama	5,1%	2
Djelatnosti zdravstvene i socijalne zaštite	4,5%	3
Informacije i komunikacije	4,2%	3
Obrazovanje	4,2%	3
Građevinarstvo	4,0%	3
Financijske djelatnosti i djelatnosti osiguranja	3,9%	3
Prijevoz i skladištenje	3,8%	3
Proizvodnja i snabdijevanje električnom energijom, plinom, parom i klimatizacija	3,7%	3
Stručne, naučne i tehničke djelatnosti	2,7%	3
Djelatnosti pružanja smještaja te pripreme i usluživanja hrane	2,1%	3
Vađenje ruda i kamena	1,95%	3
Umjetnost, zabava i rekreacija	1,5%	3
Snabdijevanje vodom; uklanjanje otpadnih voda, upravljanje otpadom	1,1%	3
Ostale uslužne djelatnosti	1,1%	3
Administrativne i pomoćne uslužne djelatnosti	0,9%	4
Djelatnosti domaćinstava kao poslodavaca	-	-
Djelatnosti vanteritorijalnih organizacija i organa	-	-

**Tabela 2 – Ekonomski sektori u Bosni i Hercegovini razvrstani prema njihovom učešću u izvozu<sup>4</sup>**

Ekonomski sektor	Procent uvoza u 2017 (Vrijednost u % mil. USD)	Rang
Razni gotovi proizvodi	27,0%	1
Proizvodi svrstani prema materijalu	22,4%	1
Strojevi i prijevozna sredstva	14,4%	1

<sup>3</sup> [Bruto domaći proizvod za Bosnu i Hercegovinu 2017 - Proizvodni pristup, prvi rezultati](#); 20.7.2018, stranica 3

<sup>4</sup> [Ekonomске статистике - Статистика робне разmjene BiH s inozemstvom za siječanj-prosinac 2017. godine, Izvoz i uvoz po sektorima i odsjecima SMTK](#); 2018-01-21, stranice 14-16

Ekonomski sektor	Procent uvoza u 2017 (Vrijednost u % mil. USD)	Rang
Sirove materije, osim goriva	10,6%	1
Mineralna goriva i maziva	8,4%	2
Kemijski proizvodi	8,1%	2
Hrana i žive životinje	6,6%	2
Životinjska i biljna ulja i masti	1,5%	3
Pića i duhan	0,8%	4
Proizvodi i transakcije, nespomenuti	0,0%	5

**Tabela 3 – Ekonomski sektori u Bosni i Hercegovini razvrstani prema njihovom učešću u uvozu<sup>5</sup>**

Ekonomski sektor	Procent uvoza u 2017 (Vrijednost u % mil. USD)	Rang
Proizvodi svrstani prema materijalu	23,3%	1
Strojevi i prijevozna sredstva	20,7%	1
Mineralna goriva i maziva	14,3%	1
Hrana i žive životinje	13,0%	1
Kemijski proizvodi	12,5%	1
Razni gotovi proizvodi	9,7%	2
Sirove materije, osim goriva	3,0%	3
Pića i duhan	2,2%	3
Životinjska i biljna ulja i masti	1,3%	3
Proizvodi i transakcije, nespomenuti	0,0%	5

## 5.2 Analiza prioritetnih neekonomskih kriterijuma u pojedinim sektorima u Bosni i Hercegovini

U ranijem periodu se smatralo da standardi imaju ključnu ulogu u podršci ekonomskom razvoju zemlje, a u posljednje vrijeme sve veći akcenat stavlja se i na neekonomske kriterije od kojih je jedan od najvažnijih održivi razvoj. Održivi razvoj je orijentisan na izradu modela koji na kvalitetan način zadovoljavaju društveno-ekonomske potrebe i interese građana, kao i sigurnosne aspekte društva u cjelini, a istovremeno eliminišu ili značajno smanjuju uticaje koji predstavljaju prijetnju ili štetu po okoliš i prirodne resurse. Dugoročni koncept održivog razvoja podrazumijeva stalni ekonomski rast, ali takav koji osim ekonomske efikasnosti i tehnološkog napretka, većeg učešća čistijih tehnologija i inovativnosti cijelog društva i društveno odgovornog poslovanja, osigurava smanjenje siromaštva i povećanje sigurnosti društva i radnika, dugoročno bolje korištenje resursa, unaprjeđenje zdravstvenih uslova i kvaliteta života i smanjenje nivoa zagađenja na nivo koji mogu da izdrže činioci okoliša, sprječavanje budućih zagađenja i očuvanje biodiverziteta. Pomoć u ostvarivanju ovih ciljeva mogu da pruže i standardi.

<sup>5</sup> [Ekonomске статистике - Статистика робне разmjене БиХ с иноземством за сiječanj-просинац 2017. године, Извоз и увоз по секторима и одсјецима SMTK](#); 2018-01-21, странице 14-16

Analiza kvaliteta života uobičajeno obuhvata sljedeća područja:

- Političko i društveno okruženje (politička stabilnost, stopa kriminaliteta, vladavina prava...),
- Ekonomsko okruženje (stabilnost privrede, bankarske usluge...),
- Društveno i kulturno okruženje (cenzura, ograničenja lične slobode...),
- Zdravstvo i sanitarno okruženje (dostupnost ljekarskih usluga i lijekova, infektivne bolesti, kanalizacija, otpad, zagađenost zraka...),
- Škole i obrazovanje (standard škola, dostupnost škola...),
- Javne usluge i transport (električna energija, voda, javni prijevoz, gužve u saobraćaju...),
- Slobodno vrijeme (restorani, pozorišta, kina, sport...),
- Prirodno okruženje (klima, istorija prirodnih nesreća ...).

Da bi bila u skladu sa potrebama društva u segmentu održivog razvoja, Strategija podržava i promoviše održivi razvoj u Bosni i Hercegovini. Direkcija za ekonomsko planiranje BiH provodi ciljeve održivog razvoja iz *Agende za održivi razvoj 2030 (SDG)* u suradnji sa svim relevantnim institucijama. U tom smislu, analizirani su medijski ispraćeni događaji (članci, TV emisije) objavljeni u posljednje vrijeme, koji se bave neekonomskim pitanjima koja su izazvala zabrinutost javnosti. Smatra se da će ova pitanja biti aktuelna i u budućem periodu razvoja Bosne i Hercegovine.

Rezultati su prikazani u tabeli 4, koja prikazuje neekonomske prioritete u različitim sektorima i oblastima. Rangiranje u vezi sa neekonomskim prioritetima i svrstavanje u odgovarajuću kategoriju izvršeno je na osnovu sljedećih kriterija:

Rang 1 – Veoma ozbiljan problem, hitno rješavanje, javni protesti

Rang 2 – Ozbiljan problem, česta pojava, medijska pažnja

Rang 3 – Ozbiljan problem, povremeni medijski izveštaji

Rang 4 – Lokaliziran problem, bez reakcije medija

Rang 5 – Druga pitanja

**Tabela 4 – Neekonomske prioritete u različitim sektorima i oblastima**

Neekonomske prioritete	Situacija koja okružuje problem i vrijeme	Rang
Sigurnost ljudi i imovine	Česte nesreće nastale upotrebom plinskih boca i električni požari uzrokovani pogreškama i kvarovima na električnim komponentama i instalacijama vrlo su ozbiljne i zahtijevaju hitno rješavanje tog problema. Primjena odgovarajućih standarda pomaže u očuvanju sigurnosti i zdravlja ljudi.	1
Sigurnost cestovnog prometa	Česte saobraćajne nesreće sa značajnim brojem poginulih osoba i ozlijeđenih te prosječna starost vozila od 17 godina u Bosni i Hercegovini vrlo su ozbiljan problem i zahtijevaju hitno rješavanje. Primjena odgovarajućih standarda pomaže u očuvanju sigurnosti i zdravlja ljudi. <a href="https://jpcdfbh.ba/bs/aktivnosti/sigurnost-prometa/20">https://jpcdfbh.ba/bs/aktivnosti/sigurnost-prometa/20</a> <a href="http://jpcfbi.ba/assets/upload/dokumenti-o-sigurnosti/strategija_sigurnosti_saobracaja.pdf">http://jpcfbi.ba/assets/upload/dokumenti-o-sigurnosti/strategija_sigurnosti_saobracaja.pdf</a> <a href="http://ba.n1info.com/Vijesti/a241364/Na-cestama-BiH-u-2017.-poginulo-295-osoba.html">http://ba.n1info.com/Vijesti/a241364/Na-cestama-BiH-u-2017.-poginulo-295-osoba.html</a> <a href="https://www.oslobodjenje.ba/vijesti/bih/video-povecavimo-sigurnost-ucesnika-u-saobracaju-a-pogotovo-djece-392504">https://www.oslobodjenje.ba/vijesti/bih/video-povecavimo-sigurnost-ucesnika-u-saobracaju-a-pogotovo-djece-392504</a> (medijski izvještaj)	1

Neekonomski prioritet	Situacija koja okružuje problem i vrijeme	Rang
Zdravlje ljudi	Povećan broj osoba s kardiovaskularnim problemima, moždanim udarom i pretilosti mladih ozbiljan je problem, i entitetska ministarstva zdravstva planiraju aktivnosti na podizanju svijesti o važnosti zdravih prehrambenih navika stanovništva u cilju poboljšanja zdravstvenih uvjeta. <a href="http://www.fmoh.gov.ba/index.php/zakoni-i-strategije/strategije-i-politike/53-strateski-plan-razvoja-zdravstva-u-fbih">http://www.fmoh.gov.ba/index.php/zakoni-i-strategije/strategije-i-politike/53-strateski-plan-razvoja-zdravstva-u-fbih</a>	1
Žaštita na radu	Česte povrede na poslu koje rezultiraju sve većim brojem incidenata sa smrtonosnim ili teškim posljedicama za zaposlenike je ozbiljan i zahtijeva hitno rješavanje ovog problema. Primjena odgovarajućih standarda pomaže u očuvanju sigurnosti i zdravlja ljudi. <a href="http://biznis.ba/ocajna-zastita-gradjevinara-na-radu-u-bih-u-primjeni-pravilnici-od-prije-28-i-50-godina/">http://biznis.ba/ocajna-zastita-gradjevinara-na-radu-u-bih-u-primjeni-pravilnici-od-prije-28-i-50-godina/</a> (medijski izvještaj)	2
Povećanje zaposlenosti	Razvojno društvo, koje se temelji na znanju u narednom razdoblju, omogućit će razvoj sofisticiranih tehnologija, koje za posljedicu imaju povećanje zaposlenosti, prvenstveno u sljedećim sektorima: metaloprerađivačka, elektroindustrija, drvna industrija, prehrambena industrija, informacione tehnologije i građevinarstvo.	2
Važnost zaštite okoliša	Primjena odgovarajućih ekoloških standarda kao i drugih standarda osigurat će da mnoge firme mogu koristiti nove tehnologije u različitim industrijama. Na taj način će se zadovoljiti ekološki kriteriji, što je vrlo važno za današnji razvoj, a i razvoj u budućnosti. <a href="https://www.radiosarajevo.ba/vijesti/bosna-i-hercegovina/sarajlije-se-guse-i-danas/316102">https://www.radiosarajevo.ba/vijesti/bosna-i-hercegovina/sarajlije-se-guse-i-danas/316102</a> (medijski izvještaj)	2
Reagovanje na izvanredne situacije	Sprječavanje hitnih situacija i važnost pripreme građana za adekvatan odgovor u takvim situacijama iznimno su važni kako bi se izbjegle ljudske žrtve kao što su velike poplave u središnjem i sjevernom dijelu Bosne i Hercegovine u maju 2014. godine.	2
Obrazovanje	Ulaganje u obrazovanje i osposobljavanje ljudi, tj. ulaganje u ljude, ljudske potencijale ključno je za razvoj društva temeljenog na znanju.	3
Sigurnost informacija	Informaciona sigurnost odnosi se na sigurnosne rizike povezane s korištenjem informacionih i komunikacionih tehnologija, uključujući sigurnost podataka, uređaja, informacijskih sistema, mreža, organizacija i pojedinaca. Visokotehnološki kriminal je vrsta kriminala koja se najviše povećava, a veliki broj ljudi, uključujući djecu, svakodnevno su žrtve napada. Hakerski napadi na informacione sisteme mogu značajno ugroziti poslovanje firme, funkcioniranje državne infrastrukture i sigurnosti, dok su pojedinci, a prije svega djeca, sve više izloženi riziku od prijevare, ucjene i zlostavljanja putem Interneta.	3

### 5.3 Pregled najznačajnijih oblasti razvoja

Pregled najznačajnijih oblasti razvoja u Bosni i Hercegovini dat je u nastavku u Tabeli 5. Preuzeti su najznačajniji dijelovi iz pojedinih strategija vlada i ministarstava na državnom i entitetskim nivou u BiH, kao pokazatelj koliki će uticaj imati na razvoj privrede u Bosni i Hercegovini.

Rangiranje na osnovu izrađenih strategija:

Rang 1 – veoma važno u bliskoj budućnosti

Rang 2 – veoma važno, ako se ispune uslovi

Rang 3 – važno u daljoj budućnosti

Rang 4 – važno u dužem vremenskom periodu

Rang 5 – nevažno

**Tabela 5 – Najznačajnije oblasti razvoja prema strategijama razvoja u Bosni i Hercegovini**

Prioriteti razvoja	Važnost	Rang
<b>Energetika</b>	<p>U oblasti energetike 30.08.2018. godine, Vijeće ministara BiH usvojilo je Okvirnu energetska strategiju BiH do 2035. godine, koja je zasnovana na Okvirnoj energetska strategiji Republike Srpske, Federacije Bosne i Hercegovine te Brčko Distrikta.</p> <p>Ovaj dokument ima za cilj da se izradi:</p> <ul style="list-style-type: none"><li>• Strateška analiza postojećeg stanja energetskog tržišta,</li><li>• Ažuriranje postojeće energetske strategije Republike Srpske kroz dokument Okvirne energetske strategije RS,</li><li>• Energetska strategija Federacije Bosne i Hercegovine kroz dokument Okvirne energetske strategije FBiH,</li><li>• Energetska strategija Brčko Distrikta kroz dokument Okvirne energetske strategije BiH,</li><li>• Metodološko usklađenje Entitetskih dokumenata</li></ul> <p>BiH ima komparativnu prednost u sektoru energetike, a naročito u oblasti hidroenergije, kao i veliki dugoročni razvojni potencijal. BiH je jedina zemlja neto izvoznik električne energije u regiji Zapadnog Balkana.</p> <p>Strateški cilj razvoja energetske potencijala, posebno obnovljivih izvora energije i povećanje energetske efikasnosti će se realizovati kroz doprinos Vijeća ministara BiH ispunjenjem srednjoročnih ciljeva:</p> <ol style="list-style-type: none"><li>1. Unaprjeđenje i usklađivanje pravnog okvira u sektoru energetike sa pravnom stečevinom EU</li><li>2. Doprinjati razvoju regionalnog tržišta električne energije i gasa koje će biti usklađeno sa preuzetim EU direktivama</li></ol> <p>Institut za standardizaciju BiH ažurno preuzima evropske i međunarodne standarde iz ove oblasti.</p> <p><a href="http://www.vijeceministara.gov.ba/akti/prijedlozi_zakona/default.aspx?id=29118&amp;langTag=bs-BA">http://www.vijeceministara.gov.ba/akti/prijedlozi_zakona/default.aspx?id=29118&amp;langTag=bs-BA</a> <a href="http://www.fbihvlada.gov.ba/file/20170606%20Okvirna%20energetska%20strategija%20FBiH_Radna%20verzija_v2.pdf">http://www.fbihvlada.gov.ba/file/20170606%20Okvirna%20energetska%20strategija%20FBiH_Radna%20verzija_v2.pdf</a> <a href="http://www.vladars.net/sr-SP-Cyrl/Vlada/Ministarstva/mper/Documents/Energetska%20strategija%20Republike%20Srpske%20do%202035%20finalni%20nacrt_373822299.docx">http://www.vladars.net/sr-SP-Cyrl/Vlada/Ministarstva/mper/Documents/Energetska%20strategija%20Republike%20Srpske%20do%202035%20finalni%20nacrt_373822299.docx</a></p>	1

Prioriteti razvoja	Važnost	Rang
<b>Turizam</b>	<p>Bosna i Hercegovina posjeduje raznolik i očuvan prirodni i kulturni, turistički potencijal što je veliko bogatstvo koje se mora očuvati i zaštititi kako bi u dugom periodu pridonosio razvoju turizma. Prednosti koje Bosna i Hercegovina posjeduje u razvoju turizma su prije svega netaknuta priroda, bogatstvo rijekama i termalnim vodama, bogata kulturno-historijska baština i brojna svetišta, koja predstavljaju potencijal za razvoj različitih oblika turizma koji BiH daju dodatnu vrijednost u stvaranju specifičnog turističkog proizvoda, sa ciljem unaprjeđenja kvaliteta turističke ponude. Time će se omogućiti povećanje konkurentnosti turizma u BiH na svjetskim tržištima turističke potražnje i kapitalnih investicija.</p> <p>U tom smislu, sektor turizma u Bosni i Hercegovini ima visok potencijal koji je potrebno dodatno iskoristiti.</p> <p><a href="http://www.fmoit.gov.ba/ba/page/26/turizam-u-fbih">http://www.fmoit.gov.ba/ba/page/26/turizam-u-fbih</a>  <a href="#">Strategija razvoja turizma Republike Srpske za period 2011.-2020. godine</a></p>	1
<b>Transport</b>	<p>Transportna infrastruktura je važan segment ekonomskog razvoja, stvaranja konkurentnog poslovnog okruženja kao i ravnomjernog regionalnog razvoja i predstavlja važnu podlogu za održivi razvoj zemlje. Razvijen transportni sistem olakšava i potiče mobilnost ljudi i roba te, smanjivanjem saobraćajne izolovanosti, omogućava rast produktivnosti i stvara pretpostavke za uravnotežen regionalni razvoj.</p> <p>Okvirna strategija transporta BiH 2015 - 2030 detaljno opisuje provođenje transportne politike.</p> <p>U programu rada Vijeća ministara u narednom trogodišnjem periodu nalazi se cilj stvaranje uslova za uspostavu kvalitetnijih, efikasnijih, bezbjednijih i savremenijih sistema transporta i komunikacija u Bosni i Hercegovini.</p> <p><a href="http://www.mkt.gov.ba/aktivnosti/default.aspx?id=5029&amp;langTag=bs-BA">http://www.mkt.gov.ba/aktivnosti/default.aspx?id=5029&amp;langTag=bs-BA</a>  <a href="#">Srednjoročni program rada Vijeća ministara BiH 2019-2021</a></p>	1
<b>Poljoprivreda</b>	<p>Ministarstvo vanjske trgovine i ekonomskih odnosa (MVTEO), koordiniralo je izradu Strateškog plana ruralnog razvoja BiH (Strateški plan), za period 2018 - 2021. godina. Strateški plan pripremljen je u saradnji sa Federalnim ministarstvom poljoprivrede, vodoprivrede i šumarstva (FMPŠV), Ministarstvom poljoprivrede, šumarstva i vodoprivrede Republike Srpske (MPŠV RS) i Odjelom za poljoprivredu, šumarstvo i vodoprivredu Vlade Brčko Distrikta BiH (OPŠV BD BiH).</p> <p>Pred poljoprivredom u BiH u predstojećem periodu kao važan prioritet ostaje potreba kreiranja agrarne politike i uvođenje onih instrumenata koji će omogućiti dinamično restrukturiranje poljoprivrednog sektora, modernizaciju, a ujedno i efikasno približavanje EU integracijama putem postepenog usklađivanja politike sa principima Zajedničke poljoprivredne politike Europske unije. U svrhu bržeg i efikasnijeg razvoja poljoprivrede i ruralnog razvoja u Programu rada Vijeća ministara u narednom trogodišnjem periodu nalaze se ciljevi:</p> <ol style="list-style-type: none"> <li>1. Osiguranje razvoja i integriranje sektora poljoprivrede, prehrane, šumarstva i ruralnog razvoja BiH u europsko i svjetsko tržište</li> <li>2. Unaprjeđenje sistema zaštite zdravlja ljudi, životinja i bilja putem uspostavljanja efikasnog sistema sigurnosti hrane, veterinarske kontrole i fitosanitarne oblasti u BiH.</li> </ol> <p>Podršku u realizaciji navednih ciljeva u okviru svojih programa rada dati će i Agencija za sigurnost hrane BiH, Ured za veterinarstvo BiH i Uprava BiH za zaštitu zdravlja bilja.</p> <p><a href="http://www.mvteo.gov.ba/data/Home/Dokumenti/Poljoprivreda/BOS_SPRR_2018-2021_korekcija.pdf">http://www.mvteo.gov.ba/data/Home/Dokumenti/Poljoprivreda/BOS_SPRR_2018-2021_korekcija.pdf</a>  <a href="https://www.fsa.gov.ba/">https://www.fsa.gov.ba/</a>  <a href="http://www.vet.gov.ba/">http://www.vet.gov.ba/</a></p>	2

Prioriteti razvoja	Važnost	Rang
Industrija	<p><b>Metalni i elektro sektor</b> su među najvećim izvoznim sektorima u Bosni i Hercegovini. Proizvodi od metala imaju značajan razvojni potencijal, ali još uvijek prednjači izvoz proizvoda sa niskom dodanom vrijednošću. Za dalji rast metalnog sektora i njegovu punu konkurentnost potrebne su investicije, bilo da se radi o direktnim investicijama, dugoročnim investicionim kreditima ili drugim odgovarajućim izvorima financiranja. Imajući u vidu činjenicu da metalni i elektro sektor Federacije BiH upošljava veliki broj radnika i da bilježi konstantan rast, daljim razvojem ovog sektora će doći do novog zapošljavanja, povećanja izvoza, povećanja BDP-a, a što će u konačnici rezultirati i razvojem Federacije BiH i BiH.</p> <p><b>Sektor drvoprerade</b>, zajedno sa šumarskim sektorom predstavlja veliki privredni potencijal Federacije BiH i veliku razvojnu priliku. Drvna industrija je jedna od najperspektivnijih grana industrije Bosne i Hercegovine i ostvareni izvoz uglavnom je rezultat izvanrednih napora domaćih kompanija. Za četiri mjeseca 2018. godine izvoz je 2% viši nego u istom periodu 2017. godine. Izvoz proizvoda drvne industrije činio je 56%, dok je izvoz namještaja i montažnih kuća činio 43,7%. Iz navedenih podataka je uočeno povećano učešće izvoza finalnih proizvoda od drveta, posebno namještaja u ukupnom izvozu, a smanjeno učešće proizvoda šumarstva i rezane građe u 2017. godini i četiri mjeseca 2018. godine.  <a href="http://komorabih.ba/odrzan-v-sastanak-skupstine-asocijacije-drvne-industrije-i-sumarstva-vanjskotrgovinske-komore-bih/">http://komorabih.ba/odrzan-v-sastanak-skupstine-asocijacije-drvne-industrije-i-sumarstva-vanjskotrgovinske-komore-bih/</a></p> <p><b>Sektor tekstila, odjeće, kože i obuće</b> predstavljaju značajne proizvodne grane u BiH koje su uvozno zavisne i izvozno orijentisane. Bosna i Hercegovina ima dugu tradiciju u proizvodnji tekstila, odjeće, kože i obuće. Socijalni aspekt ove industrijske grane je izuzetno značajan, jer zapošljava veliki broj radnika niže kvalifikacijske strukture, koje uglavnom čini ženska radna snaga, sa velikim udjelom ličnog rada, u kojoj je cijena tog rada manja nego u drugim granama prerađivačke industrije i sa velikim udjelom nepovoljnih <i>lohn</i> poslova. Pokrivenost uvoza izvozom industrije tekstila, odjeće, kože i obuće u prvih 6 mjeseci 2017. godine iznosila je 73,32 %, a u 2018. godini povećana je čak na 77,29%. Najznačajnije zemlje partneri u izvozu i dalje su zemlje Europske Unije, CEFTA i EFTA. Ova industrijska grana mora dobiti adekvatniju pažnju i značaj nego što je to slučaj sada, a sve sa ciljem poboljšanja uslova privređivanja firmi kao i stvaranja konkurentne prednosti domaćih firmi u vanjskotrgovinskom poslovanju.  <a href="http://komorabih.ba/odrzana-prosirena-sjednica-odbora-asocijacije-tekstila-odjece-koze-i-obicu-bosne-i-hercegovine/">http://komorabih.ba/odrzana-prosirena-sjednica-odbora-asocijacije-tekstila-odjece-koze-i-obicu-bosne-i-hercegovine/</a></p> <p><b>Sektor industrije građevinskih proizvoda</b> koji je usko povezan sa građevinarstvom, također je važna proizvodna grana u Bosni Hercegovini. Imajući u vidu da BiH posjeduje prirodne izvore kao što su, posebne nemetalne sirovine (krečnjaci, laporci, dolomiti, magmatske stijene, gline i gips), koji svoju značajnu primjenu imaju u građevinskoj industriji, odnosno industriji građevinskog materijala. Ovi izvori predstavljaju temelj i podsticaj razvoja industrije građevinskog materijala u Bosni i Hercegovini.</p> <p><b>Sektor prehrambene i duhanske industrija</b> koji je usko povezan sa poljoprivredom, također je važna proizvodna grana u Bosni i Hercegovini. Najznačajnija prednost ovog sektora su potencijali za odličnu sirovinску bazu, jer dobar dio teritorije pokriva plodno poljoprivredno zemljište, a njegovom razvoju pogoduju i dobri klimatski uslovi. Uz njih, tu su i odgovarajući proizvodni kapaciteti u prehrambenoj industriji, koji proizvode mlijeko i mliječne proizvode, voće i povrće i prerađevine od voća i povrća, svježe meso i mesne prerađevine, te brašno i mlinsko-pekarske i konditorske proizvode. Ovaj sektor značajno doprinosi ukupnoj bilanci izvoza, a također zapošljava značajan broj radnika.  <a href="http://www.fmeri.gov.ba/strateski-dokumenti/Strategija_i_politika_razvoja_industrije_republike_srpske_za_period_2016-2020.godina">http://www.fmeri.gov.ba/strateski-dokumenti/Strategija_i_politika_razvoja_industrije_republike_srpske_za_period_2016-2020.godina</a></p>	2

Prioriteti razvoja	Važnost	Rang
Okoliš	<p>S obzirom da se Bosna i Hercegovina susreće s brojnim problemima u oblasti zaštite okoliša, posebno treba istaći nedovoljno razvijene kapacitete, kao i mnoge socio-ekonomske i institucionalne probleme. Dugoročno zaštita okoliša na državnom nivou osigurat će uključivanje zahtjeva, potreba i ciljeva zaštite okoliša u planske i razvojne dokumente svih sektora koji su izvori pritiska na okoliš.</p> <p>Imajući u vidu da se Bosna i Hercegovina opredijelila za proces stabilizacije i pridruživanja Europskoj uniji, a da je Sektor okoliša jedan od visoko pozicioniranih prioriteta Europske unije, Strategije zaštite okoliša FBiH i RS su dokumenti koji će imati jednu od ključnih uloga na tom putu.</p> <p><a href="http://www.mvteo.gov.ba/Content/Read/vodni-resursi-zastita-okoline-strateski-dokumenti">http://www.mvteo.gov.ba/Content/Read/vodni-resursi-zastita-okoline-strateski-dokumenti</a></p>	3

## 6. REZULTATI ANALIZE

### 6.1 Općenito

Cilj svih zainteresiranih strana koje primjenjuju standarde, bez obzira na to kojem sektoru pripadaju, jeste primjena modernih tehnologija, sigurnost i kvalitet proizvoda i usluga, postizanje kompetitivnosti na lokalnom i međunarodnom tržištu i privlačenje investicija. S tim u vezi, obaveza i želja državnog tijela za standardizaciju je da iskoristi sve raspoložive resurse kako bi se svim korisnicima standarda izašlo u susret u najvećoj mogućoj mjeri, a sve u cilju poboljšanja i unaprjeđenja poslovanja u Bosni i Hercegovini.

Na osnovu detaljne uporedne analize prioriternih ekonomskih sektora i neekonomskih kriterija u Bosni i Hercegovini, kao i najznačajnijih oblasti u razvoju i iskazanih potreba zainteresiranih strana, izrađena je lista prioriternih standarda čije će pripremanje, donošenje i objavljivanje biti provedeno u periodu od tri godine.

U Dodatku A ovog dokumenta data je detaljna lista standarda koji će biti usvojeni u periodu od naredne tri godine. Također, u nastavku ovog teksta, u tabeli 6 prikazan je pregled odabranih prioriternih sektora i pripadajućih oblasti standardizacije utvrđenih poređenjem iskazanih potreba, kao i njihovo ukupno rangiranje. Navedene su zainteresirane strane koje su predložile usvajanje određenih standarda, kao i Tehnički komiteti Instituta koji su odgovorni za usvajanje standarda iz određenih oblasti.

Ova lista prioriternih oblasti standardizacije izrađena je tako da su prepoznate potrebe i interesi zainteresiranih strana u Bosni i Hercegovini.

Treba istaći da, pored analize koja je ovom prilikom provedena za potrebe izrade trogodišnjeg strategijskog plana i standarda koji su rezultat te analize, Institut redovno i aktivno prati svjetske i europske trendove, kao i potrebe tržišta Bosne i Hercegovine.

**Tabela 6 – Prioritetne oblasti standardizacije prema sektorima**

Sektor	Oblast	Konačni rang (društveno- ekonomski i zahtjevi zainteresirane strane)	Zainteresirane strane	Odgovoran tehnički komitet Instituta
Djelatnosti zdravstvene i socijalne zaštite	Djelatnosti zdravstvene zaštite	1,75	Vatrosistemi d.o.o. Sarajevo Institut za mjeriteljstvo BiH Republička uprava za inspekcijske poslove Agencija za nadzor nad tržištem BiH	BAS/TC 14 BAS/TC 25 BAS/TC 54
Informacije i komunikacije	Informacijske uslužne djelatnosti	2,00	Republička uprava za geodetske i imovinsko-pravne poslove Institut za certificiranje sistema d.o.o. Sarajevo	BAS/TC 1
	Telekomunikacije	2,94	Institut za mjeriteljstvo BiH Regulatorna agencija za komunikacije BiH	BAS/TC 5
Javna uprava i obrana; obvezno socijalno osiguranje	Javna uprava i obrana; obvezno socijalno osiguranje	2,25	Republička uprava za geodetske i imovinsko-pravne poslove	BAS/TC 59
Prerađivačka industrija	Proizvodnja ostalih proizvoda primarne prerade čelika	2,20	Širbegović inženjering Srebrenik	BAS/TC 4
	Proizvodnja proizvoda od betona, cementa i gipsa	2,20	Širbegović inženjering Srebrenik	BAS/TC 21
	Proizvodnja ostalih mašina za posebne namjene	1,20	Mašinski fakultet Sarajevo	BAS/TC 51
	Proizvodnja koksa i rafiniranih naftnih proizvoda	2,25	Sistem Qualita,S d.o.o. Pale	BAS/TC 11
Prijevoz i skladištenje	Kopneni prijevoz i cjevovodni transport	3,00	Ministarstvo saobraćaja i veza RS - Željeznice RS	BAS/TC 46
Prijevoz i skladištenje	Poštanske i kurirske djelatnosti	2,67	Agencija za poštanski promet BiH	BAS/TC 5

Sektor	Oblast	Konačni rang (društveno- ekonomski i zahtjevi zainteresirane strane)	Zainteresirane strane	Odgovoran tehnički komitet Instituta
Proizvodnja i snabdijevanje električnom energijom, plinom, parom i klimatizacija	Proizvodnja, prijenos i distribucija električne energije	1,70	Elektroprenos BiH a.d. Banja Luka Institut za mjeriteljstvo BiH	BAS/TC 53 BAS/TC 19
Snabdijevanje vodom; uklanjanje otpadnih voda, upravljanje otpadom	Sakupljanje, pročišćavanje i snabdijevanje vodom	2,75	Agencija za vodno područje Jadranskog mora Mostar	BAS/TC 7
Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	2,63	Širbegović inženjering Srebrenik Vatrosistemi d.o.o. Sarajevo	BAS/TC 7 BAS/TC 13 BAS/TC 14 BAS/TC 36 BAS/TC 61
	Tehničko ispitivanje i analiza	2,00	Institut za mjeriteljstvo BiH	BAS/TC 38
	Ostale stručne, znanstvene i tehničke djelatnosti	2,75	Vatrosistemi d.o.o. Sarajevo	BAS/TC 7
	Upravljačke djelatnosti	2,50	Republička uprava za geodetske i imovinsko-pravne poslove Institut za certificiranje sistema d.o.o. Sarajevo Ured za borbu protiv korupcije i upravljanja kvalitetom Kantona Sarajevo	BAS/TC 3 BAS/TC 55
Vađenje ruda i kamena	Pomoćne djelatnosti za ostalo vađenje ruda i kamena	2,10	Udruženje za protiveksplozivnu zaštitu i sigurnost radne i životne sredine - Atex Tuzla	BAS/TC 6 BAS/TC 30

## 6.2 Ljudski potencijali

Kod izračunavanja potrebnih ljudskih potencijala za realizaciju ovog strategijskog plana korištena je metodologija data u Uputstvu. Ova metodologija nije jedinstveno primjenjena, jer u Institutu postoji potreba za usvajanjem standarda na načine koji se u određenoj mjeri razlikuju u odnosu na one navedene u Uputstvu. Naime, osim preuzimanja (*Ad*) i praćenja razvoja (*Mo*) međunarodnih/evropskih standarda na engleskom jeziku, data je i procjena za usvajanje standarda na jednom od službenih jezika u Bosni i Hercegovini (*AdTr*).

Za izračun je uzeta samo procjena potrebnih ljudskih potencijala koji pripadaju Institutu, odnosno predviđeni su samo zaposleni u Institutu.

Kada je riječ o vanjskim ekspertima, finansijske resurse za učešće bosanskohercegovačkih eksperata u razvoju evropskih i međunarodnih standarda osiguravaju organizacije koje su delegirale eksperte iz određenih oblasti ili sponzorstvom koje je osigurano posredstvom Instituta. U ovom trenutku ukupno 6 eksperta iz Bosne i Hercegovine učestvuje u radu sljedećih međunarodnih i evropskih tehničkih radnih tijela: ISO/TC 34/SC 12 (*P*-član), ISO/TC 210 (*O*-član), ISO/REMCO (*O*-član), ISO/IEC JTC 1 (*O*-član), IEC/TC 62A (*O*-član), CEN/TC 127 (*O*-član) i CEN/TC 138 (*O*-član).

Prilikom dostavljanja prijedloga projekata za izradu ovog dokumenta zainteresirane strane nisu izrazile zainteresiranost za aktivno učešće u njihovoj realizaciji.

U nastavku teksta, u tabelama od 7 do 11 predstavljeni su izračuni potrebnih ljudskih potencijala za realizaciju zahtjeva navedenih u Dodatku A prema načinu preuzimanja određenog standarda (usvajanje na engleskom jeziku – *Ad*, usvajanja standarda na jednom od službenih jezika u Bosni i Hercegovini – *AdTr*, i praćenje razvoja evropskog ili međunarodnog standarda – *Mo*). Prilikom ovih izračuna nisu uzeti u obzir ljudski potencijali potrebni za provođenje standarda. Prema zbirnom izračunu, vidjeti tabele 12 i 13, zaključeno je da je za realizaciju Strategijskog plana, na trogodišnjem nivou, potreba za ljudskim potencijalima sljedeća:

- 827,28 osoba/dana za TO (saradnik za standardizaciju<sup>6</sup>) i
- 296,94 osoba/dana za lektorisanje i tehničko uređivanje teksta.

Institut prema izračunima raspolaže sa 6930 osoba/dana za TO, a 1260 osoba/dana za lektorisanje i tehničko uređivanje teksta u periodu na koji se odnosi Strategijski plan.

Izračuni predstavljaju prosječne vrijednosti, pa u skladu sa tim obaveze nisu podjednako raspoređene na sve TO, jer su potrebe zainteresiranih strana bile raznovrsne.

Na osnovu svega navedenog, zaključeno je da za realizaciju ovog trogodišnjeg strategijskog plana, Institut u ovom trenutku raspolaže dovoljnim brojem ljudskih potencijala. Prilikom razmatranja angažovanja ljudskih potencijala svakako treba uzeti u obzir ukupne obaveze Instituta u vezi sa usvajanjem standarda, kao i druge aktivnosti koje Institut obavlja. Broj standarda koje su zainteresirane strane identificirale kao potrebne za obavljanje njihove djelatnosti (ukupno 297) i koji su nakon detaljnog preispitivanja na kraju obuhvaćeni ovim strategijskim planom (217), predstavlja samo jedan dio ukupnog broja standarda za koje Institut ima obavezu da usvoji u ovom periodu, a u cilju ispunjavanja zahtjeva za punopravno članstvo u CEN-u i CENELEC-u (npr. samo na evropskom nivou očekuje se usvajanje oko 4500 dokumenata koje treba preuzeti u sistem bosanskohercegovačke standardizacije, zatim treba uzeti u obzir i započete projekte preuzimanja međunarodnih i izrade izvornih bosanskohercegovačkih standarda, što sve zajedno na trogodišnjem nivou predstavlja angažovanje zaposlenih na oko 6500 dokumenata). Od ukupno 58 Tehničkih komiteta, za rad na usvajanju standarda obuhvaćenih ovim Strategijskim planom predviđeno je angažiranje 22

<sup>6</sup> Odnosi se na radna mjesta koja u opisu posla imaju provođenje procedure pripremanja, donošenja i objavljivanja standarda i organiziranje rada tehničkih komiteta.

Tehničkih komiteta, koji će, pored toga, u skladu sa svojim godišnjim planovima, raditi i na usvajanju standarda koji nisu obuhvaćeni ovim Strategijskim planom kao i svi ostali Komiteti, što u isto vrijeme znači i redovno angažovanje internih resursa Instituta, odnosno saradnika za standardizaciju<sup>7</sup> (TO) i zaposlenih na poslovima lektorisanja i tehničke obrade standarda (ED). Isto tako, osim u aktivnostima u postupku usvajanja standarda, saradnici za standardizaciju učestvuju i u realizaciji aktivnosti u vezi sa promocijom standardizacije, u radnim grupama različitih ministarstava i drugih tijela državne uprave u Bosni i Hercegovini za potrebe donošenja tehničkih propisa itd.

**Tabela 7 - Preuzimanje standarda na engleskom jeziku (Ad)**

Tip projekta 1 - Usvajanje standarda na engleskom jeziku "Ad"								
Zadaci na usvajanju standarda	Radno vrijeme			Ponavljanja po ciklusu	Ukupno radno vrijeme			Ukupno vrijeme za sve zadatke
	TO	ED	SECR		TO	ED	SECR	
Preliminarna analiza	0,04	0	0	1	0,04	0	0	0,04
Priprema i organizacija sjednice Tehničkog komiteta	0,20	0	0	1	0,20	0	0	0,20
Priprema zapisnika sa sjednice Tehničkog komiteta	0,20	0	0	1	0,20	0	0	0,20
Verifikacija i diseminacija nacrtu	0,20	0	0	1	0,20	0	0	0,20
Komunikacija sa zainteresiranim stranama	0,04	0	0	1	0,04	0	0	0,04
Upravljanje projektom	0,20	0	0	1	0,20	0	0	0,20
Lektorisanje usvojenog standarda na engleskom jeziku	0,20	0,15	0	1	0,20	0,15	0	0,35

<b>Ukupno:</b>	<b>1,08</b>	<b>0,15</b>	<b>0</b>
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<b>Ukupno vrijeme za 1 Ad:</b>	<b>1,23</b>
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NAPOMENA: Načinom organizacije rada Instituta, tehnički (TO) i administrativni (SECR) poslovi su objedinjeni i prikazani u koloni TO.

<sup>7</sup> Odnosi se na radna mjesta koja u opisu posla imaju provođenje procedure pripremanja, donošenja i objavljivanja standarda i organiziranje rada tehničkih komiteta.

**Tabela 8 - Preuzimanje standarda na jednom od službenih jezika u Bosni i Hercegovini (AdTr)**

Tip projekta 2 - Usvajanje standarda na jednom od službenih jezika u Bosni i Hercegovini "AdTr "								
Zadaci na usvajanju standarda	Radno vrijeme			Ponavljanja po ciklusu	Ukupno radno vrijeme			Ukupno vrijeme za sve zadatke
	TO	ED	SECR		TO	ED	SECR	
Preliminarna analiza	0,08	0	0	1	0,08	0	0	0,08
Priprema i organizacija sjednice Tehničkog komiteta	0,10	0	0	1	0,1	0	0	0,1
Priprema zapisnika sa sjednice Tehničkog komiteta	0,06	0	0	1	0,06	0	0	0,06
Verifikacija i diseminacija nacrt	0,04	0,10	0	2	0,08	0,2	0	0,28
Komunikacija sa zainteresiranim stranama	0,04	0	0	1	0,04	0	0	0,04
Upravljanje projektom	0,05	0	0	1	0,05	0	0	0,05
Javna rasprava	0,04	0	0	1	0,04	0	0	0,04
Sumiranje, analiza i dostavljanje komentara	0,04	0	0	2	0,08	0	0	0,08
Prihvatanje opravdanih komentara/Ažuriranje nacrt standarda	0,10	0	0	1	0,1	0	0	0,1
Lektorisanje i tehničko uređivanje usvojenog standarda na engleskom jeziku	0,09	0,12	0	1	0,09	0,12	0	0,21

<b>Ukupno:</b>	<b>0,72</b>	<b>0,32</b>	<b>0</b>
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<b>Ukupno vrijeme za 1 stranicu AdTr:</b>	<b>1,04</b>
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NAPOMENA 1: Projekcija o potrebnim ljudskim resursima prilikom preuzimanja 1 prevedene stranice standarda.

NAPOMENA 2: Načinom organizacije rada Instituta, tehnički (TO) i administrativni (SECR) poslovi su objedinjeni i prikazani u koloni TO.

**Tabela 9 - Praćenje razvoja međunarodnog/evropskog standarda "Mo"**

<b>Tip projekta 3 - Usvajanje standarda na jednom od službenih jezika u Bosni i Hercegovini "Mo"</b>								
Zadaci na usvajanju standarda	Radno vrijeme			Ponavljanja po ciklusu	Ukupno radno vrijeme			Ukupno vrijeme za sve zadatke
	TO	ED	SECR		TO	ED	SECR	
Preliminarna analiza	0,06	0	0	2	0,12	0	0	0,12
Priprema i organizacija sjednice Tehničkog komiteta	0,20	0	0	2	0,40	0	0	0,40
Priprema zapisnika sa sjednice Tehničkog komiteta	0,20	0	0	2	0,40	0	0	0,40
Verifikacija i diseminacija nacrtu	0,20	0	0	2	0,40	0	0	0,40
Komunikacija sa zainteresiranim stranama	0,04	0	0	2	0,08	0	0	0,08
Upravljanje projektom	0,20	0	0	1	0,20	0	0	0,20
Lektorisanje i tehničko uređivanje usvojenog standarda na engleskom jeziku	0,20	0,20	0	1	0,20	0,20	0	0,40

<b>Ukupno:</b>	<b>1,80</b>	<b>0,20</b>	<b>0</b>
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<b>Ukupno vrijeme za 1 Mo:</b>	<b>2,00</b>
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NAPOMENA: Načinom organizacije rada Instituta, tehnički (TO) i administrativni (SECR) poslovi su objedinjeni i prikazani u koloni TO.

U tabelama 10, 11 i 12 predstavljeni su zbirni izračuni za potrebne ljudske potencijale za predložene standarde koje treba usvojiti u periodu od naredne tri godine.

**Tabela 10 – Zbirni izračun vremenskih potreba za realizaciju različitih projekata**

Predviđeni su sljedeći tipovi projekata: Preuzimanje na engleskom jeziku (Ad), Usvajanje standarda na jednom od službenih jezika u Bosni i Hercegovini (AdTr), Praćenje razvoja (Mo)						
Uloge	Ad	AdTr	Mo	Broj radnih dana u godini	Ukupno vrijeme realizacije plana (u godinama)	
TO	1,08	0,72	1,8	210	3	
ED	0,15	0,32	0,20	210		
SECR	0	0	0	0		
<b>Ukupno (po tipu projekta):</b>	<b>1,23</b>	<b>1,04*</b>	<b>2</b>			

\* Po stranici.

NAPOMENA: Načinom organizacije rada Instituta, tehnički (TO) i administrativni (SECR) poslovi su objedinjeni i prikazani u koloni TO.

**Tabela 11 – Izračun potreba za ljudskim potencijalima (TO) – zbirno prema broju predloženih standarda**

Saradnik za standardizaciju*: Dostupni ljudski potencijali u odnosu na potrebne ljudske potencijale									
Broj projekata za trogodišnji planirani period				Saradnici za standardizaciju (TOs) - Planiranje potencijala					
Odjeljenja za standardizaciju u Institutu	Tipovi nacionalnih projekata			Dostupni ljudski potencijali		Potrebni ljudski potencijali (TO) u radnim danima			Razlika
	# Ad	# AdTr	# Mo	# TO	Radni dani	TO/Ad	TO/AdTr	TO/Mo	
Odjeljenje za standardizaciju iz područja rada ISO/CEN	155	173	18	7	4410	167,4	124,56	32,4	4085,64
Odjeljenje za standardizaciju iz područja rada IEC/ITU/CENELEC/ETSI	23	659	2	4	2520	24,84	474,48	3,6	2017,08
<b>Ukupno:</b>	<b>178</b>	<b>832</b>	<b>20</b>	<b>11</b>	<b>6930</b>	<b>192,24</b>	<b>599,04</b>	<b>36</b>	<b>6102,72</b>
<b>Razlika na nivou od tri godine:</b>									<b>29,06</b>
<b>Razlika na godišnjem nivou:</b>									<b>9,69</b>

\* Odnosi se na radna mjesta koja u opisu posla imaju provođenje procedure pripremanja, donošenja i usvajanja standarda i organiziranje rada tehničkih komiteta.

**Tabela 12 – Izračun potreba za ljudskim potencijalima (ED) – zbirno prema broju predloženih standarda**

Lektorisanje i tehničko uređivanje standarda: Dostupni ljudski potencijali u odnosu na potrebne ljudske potencijale						
Odjeljenje u Institutu	Dostupni ljudski potencijali (ED/TR)		Potrebni ljudski potencijali (ED) izraženi u radnim danima			Razlika
	# ED	Radni dani	ED/Ad	ED/AdTr	ED/Mo	
Odjeljenje za informaciono dokumentacione poslove	2	1260	26,7	266,24	4	963,06
<b>Ukupno:</b>	<b>2</b>	<b>1260</b>	<b>26,7</b>	<b>266,24</b>	<b>4</b>	<b>963,06</b>
<b>Razlika na nivou od tri godine:</b>						<b>4,59</b>
<b>Razlika na godišnjem nivou:</b>						<b>1,53</b>

**Tabela 13 – Izračun potreba za ljudskim potencijalima prema godinama usvajanja standarda**

Tip projekta	2019	2020	2021	TO	ED	SECR	TO	ED	SECR
Ad	58	71	49	192,24	26,7	0	6930	1260	-
AdTr	471	239	122	599,04	266,24	0			
Mo	6	9	5	36	4	0			
<b>Ukupno:</b>	<b>535</b>	<b>319</b>	<b>176</b>	<b>827,28</b>	<b>296,94</b>	<b>0</b>			

U tabeli 14 dat je konačan broj projekata i način preuzimanja istih prema sektoru.

**Tabela 14 - Konačan broj projekata i način preuzimanja istih prema sektorima**

Sektor	Ukupna broj nacionalnih projekata			Potrebni ljudski potencijali		
	Tip projekta	Broj projekata	Broj stranica	TO	ED	Ukupno
Djelatnosti zdravstvene i socijalne zaštite	Ad	36	1402	47,88	6,4	54,28
	AdTr	0	0			
	Mo	5	175			
Informacije i komunikacije	Ad	9	897	129,96	54,79	184,75
	AdTr	5	167			
	Mo	0	0			
Javna uprava i odrana; obvezno socijalno osiguranje	Ad	0	0	1,8	0,2	2
	AdTr	0	0			
	Mo	1	36			
Sanbdijevanje vodom; uklanjanje otpadnih voda, upravljanje otpadom	Ad	13	266	14,04	1,95	15,99
	AdTr	0	0			
	Mo	0	0			
Prerađivačka industrija	Ad	6	133	109,44	43,06	152,5
	AdTr	3	128			
	Mo	6	223			
Prijevoz i skladištenje	Ad	6	551	10,08	1,3	11,38
	AdTr	0	0			
	Mo	2	179			
Proizvodnja i snabdijevanje električnom energijom, plinom, parom i klimatizacija	Ad	5	213	5,4	0,75	6,15
	AdTr	0	0			
	Mo	0	0			
Stručne, znanstven i tehničke djelatnosti	Ad	103	3432	154,44	31,05	185,49
	AdTr	1	45			
	Mo	6	253			
Vađenje ruda i kamena	Ad	0	0	354,24	157,44	511,68
	AdTr	10	492			
	Mo	0	0			
<b>UKUPNO</b>	<b>Ad + AdTr + Mo</b>			<b>827,28</b>	<b>296,94</b>	<b>1124,22</b>

### 6.3 Finansijski resursi

Prilikom izračuna potrebnih finansijskih resursa za realizaciju ovog strategijskog plana primjenjena je metodologija objašnjena u nastavku.

Fiksni troškovi potrebni za realizaciju Strategijskog plana izraženi su po danu i po osobi (osoba/dan) i uključuju:

- dnevnicu zaposlenog (TO), putne troškove (za organizaciju sjednica izvan Instituta),
- troškove zakupa sale i reprezentacije (za organizaciju sjednica u Institutu), te
- dodatne troškove (fiksna i mobilna komunikacija, internet).

U realizaciju Strategijskog plana u toku tri godine uključena su 22 različita tehnička komiteta, pri čemu je procijenjeno da je prosječan broj sjednica po tehničkom komitetu na godišnjem nivou 2. Za organizaciju sjednica u Institutu, prosječni troškovi zakupa sale planirani su u iznosu od 50,00 KM/h, a planirani broj sjednica za period od tri godine iznosi 92. Kada su u pitanju troškovi reprezentacije, imajući u vidu broj članova tehničkih komiteta koji su uključeni u realizaciju Strategijskog plana, prosječno prisustvo po sjednicama, te prosječan trošak po članu (2,00 KM), za period od tri godine planirani troškovi iznose 2.000,00 KM. Dobra praksa rada tehničkih komiteta je da se sjednice održavaju i izvan sjedišta Instituta u drugim gradovima. S tim u vezi planirano je da će 21 sjednica biti održana u drugim gradovima, te je izvršena projekcija troškova u iznosu od 950,00 KM (dnevnice u iznosu od 25,00 KM po danu), te troškovi putovanja.

U tabeli 15 predstavljeni su finansijski resursi za realizaciju Strategijskog plana.

Kada je u pitanju prevođenje standarda, zainteresirane strane su predložile usvajanje ukupno 832 stranica dokumenata. U prethodnom godinama Institut je poboljšao svoju infrastrukturu za prevođenje standarda kroz unos termina i definicija u online terminološki rječnik standardizacije (<http://www.bas.gov.ba/standard/term.php>). Također, Institut je radio i na podsticanju zainteresiranih strana da pripreme prijevode standarda koji su im potrebni u poslovanju i da ih dostave Institutu da bi ih uključio u proceduru usvajanja bosanskohercegovačkih standarda. Tu je ostvarena veoma dobra saradnja sa nekoliko organizacija. Ova praksa će se nastaviti i u budućnosti. Zajedno sa skromnim finansijskim sredstvima kojima Institut raspolaže u okviru svog budžeta i koji mogu da se ulože u prevođenje prioriternih standarda, kao i učešćem članova tehničkih komiteta u osiguravanje prijevoda, sve ovo predstavlja osnovu za osiguravanje prevođenja standarda na jedan od službenih jezika u Bosni i Hercegovini.

Sredstva potrebna za aktivno učešće eksperata iz Bosne i Hercegovine u razvoju evropskih i međunarodnih standarda kontinuirano osiguravaju organizacije koje su delegirale eksperte kao i sponzoriranje uz posredovanje Instituta (npr. ISO/DEVCO i sl.).

**Tabela 15 - Finansijski resursi za realizaciju Strategijskog plana**

Prosječni fiksni troškovi izraženi na dnevnom nivou po osobi (u KM)		Potreban broj osoba/dana (TO+ED)	Finansijska sredstva potrebna za organizaciju sjednica u Institutu*	Finansijska sredstva potrebna za organizaciju sjednica izvan Instituta**	Dodatni troškovi***	Ukupni troškovi za tri godine (u KM)
Prosječna dnevnic zaposlenog (11 TO i 2 ED)	<b>138,05</b>	<b>1124,22</b>	<b>11200,00</b>	<b>950,00</b>	<b>3000,00</b>	<b>170348,57</b>
* Troškovi koji se odnose na zakup sale, reprezentaciju (za tri godine) ** Dnevnice za putovanja u BiH, putni troškovi *** Troškovi za internet, telefon						

## 7. ZAKLJUČAK

Ovaj dokument predstavlja srednjoročni *Strategijski plan usvajanja bosanskohercegovačkih standarda za period od 2019. do 2021. godine*, a na osnovu iskazanih potreba zainteresiranih strana. Nakon provedene ankete korisnika standarda o njihovim potrebama, pripremljena je lista prioriteta za usvajanje standarda na osnovu unaprijed utvrđenih kriterija. Naime, u Strategijskom planu su uneseni samo standardi koji su ispunili kriterije utvrđene u internim pravilima standardizacije Instituta i procedurama za usvajanje standarda. Sva dokumenta koja nisu ispunila odgovarajuće kriterije izostavljena su iz Strategijskog plana.

Korisnici standarda su identificirali potrebu za prevođenjem određenog broja standarda, tj. usvajanjem metodom prijevoda na jednom od službenih jezika u Bosni i Hercegovini.

Utvrđena je lista prioriteta i dinamika usvajanja standarda u razmatranom periodu. Značajan dio Strategijskog plana predstavlja i analiza potrebnih ljudskih potencijala i finansijskih resursa. Na osnovu te analize može se zaključiti da Institut u ovom trenutku ima dovoljno resursa za realizaciju Strategijskog plana u razmatranom periodu.

Srednjoročni Strategijski plan će se preispitivati svake godine kako bi se pratile aktuelne društvene prilike i trendovi. U slučaju potrebe, Strategijski plan može se dopunjavati, prilagođavati, precizirati, i to na način i prema proceduri kako je i usvojena. Nakon isteka svake godine, izveštaj o realizaciji Strategijskog plana dostavljat će se Vijeću.

Održavat će se kontakt sa svim korisnicima standarda koji su identificirali svoje potrebe i čiji su zahtjevi uneseni u Strategijski plan kako bi bili informisani o njihovoj realizaciji, a također i zbog saradnje oko prevođenja standarda.

Iako su dopisi poslani na adresu više od 1.300 organizacija, odziv je nažalost, bio mali (ukupno 25 odgovora). U skladu sa ekonomskim i privrednim prilikama u Bosni i Hercegovini, Institut je mišljenja da treba aktivnije raditi na sinergiji sa zainteresiranim stranama u cilju podizanja svijesti o značaju i ulozi standarda i standardizacije u svim sferama života. Institut planira da i u narednom periodu nastavi sa animiranjem što više zainteresiranih strana, da se uključe u proces standardizacije.

DIREKTOR

.....  
Aleksandar Cincar

## DODATAK A

### Lista planiranih standarda za usvajanje u Strategijskom planu usvajanja standarda za period 2019 – 2021. godina, prema sektorima i godinama preuzimanja

NAPOMENA: Tabele A.1, A.2 i A.3 sadrže međunarodne i europske standarde planirane za usvajanje na engleskom i na jednom od službenih jezika u Bosni Hercegovini.

Skraćenice:

Ad – preuzimanje standarda na engleskom jeziku

AdTr – preuzimanje standarda metodom prijevoda na jednom od službenih jezika u Bosni i Hercegovini

Mo – praćenje razvoja međunarodnog/europskog standarda

**Tabela A.1 – Lista planiranih standarda za 2019. godinu**

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
1.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Projektovanje građevinskih konstrukcija	EN 1992-1-2:2004/A1:2019	Eurocode 2: Design of concrete structures - Part 1-2: General rules - Structural fire design	2,63	Mo	18	BAS/TC 61
2.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Projektovanje građevinskih konstrukcija	EN 1992-4:2018	Eurocode 2 - Design of concrete structures - Part 4: Design of fastenings for use in concrete	2,63	Ad	129	BAS/TC 61
3.	Prerađivačka industrija	Proizvodnja ostalih proizvoda primarne prerade čelika	Prednapregnuti čelik	FprEN 10138-1	Prestressing steels - Part 1: General requirements	2,20	Mo	35	BAS/TC 4

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
4.	Prerađivačka industrija	Proizvodnja ostalih proizvoda primarne prerade čelika	Prednapregnuti čelik	FprEN 10138-2	Prestressing steels - Part 2: Wire	2,20	Mo	14	BAS/TC 4
5.	Prerađivačka industrija	Proizvodnja ostalih proizvoda primarne prerade čelika	Prednapregnuti čelik	FprEN 10138-3	Prestressing steels - Part 3: Strand	2,20	Mo	14	BAS/TC 4
6.	Prerađivačka industrija	Proizvodnja ostalih proizvoda primarne prerade čelika	Prednapregnuti čelik	FprEN 10138-4	Prestressing steels - Part 4: Bar	2,20	Mo	12	BAS/TC 4
7.	Stručne, znanstvene i tehničke djelatnosti	Upravljačke djelatnosti	Sistemi upravljanja kvalitetom	ISO 10002:2018	Quality management - Customer satisfaction - Guidelines for complaints handling in organizations	2,50	Ad	31	BAS/TC 3
8.	Informacije i komunikacije	Informacijske uslužne djelatnosti	Informaciona tehnologija - Upravljanje uslugama	prBAS EN ISO/IEC 27001:2019	Informaciona tehnologija - Sigurnosne tehnike - Sistemi za upravljanje sigurnošću informacija - Zahtjevi	2,00	AdTr	31	BAS/TC 1
9.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Zaštita od požara	EN 54-7:2018	Fire detection and fire alarm systems - Part 7: Smoke detectors - Point smoke detectors that operate using scattered light, transmitted light or ionization	2,63	Ad	79	BAS/TC 13
10.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Zaštita od požara	EN 54-5:2017+A1:2018	Fire detection and fire alarm systems - Part 5: Heat detectors - Point heat detectors	2,63	Ad	62	BAS/TC 13

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
11.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Zaštita od požara	pnBAS EN ISO 14644-15:2019	Čiste sobe i pripadajuća kontrolisana okolina - Dio 15: Procjena podobnosti za upotrebu opreme i materijala pomoću koncentracije hemikalija u zraku	2,63	Ad	24	BAS/TC 7
12.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Zaštita od požara	ISO 14644-12:2018	Cleanrooms and associated controlled environments - Part 12: Specifications for monitoring air cleanliness by nanoscale particle concentration	2,63	Ad	11	BAS/TC 7
13.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	pnBAS ISO 16000-34:2019	Zrak u zatvorenom prostoru - Dio 34: Strategije za mjerenje čestica u zraku	2,75	Ad	45	BAS/TC 7
14.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	pnBAS ISO 16000-33:2019	Zrak u zatvorenom prostoru - Dio 33: Određivanje ftalata gasnom hromatografijom/masenom spektrometrijom (GC/MS)	2,75	Ad	52	BAS/TC 7
15.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	pnBAS ISO 16000-31:2019	Zrak u zatvorenom prostoru – Dio 31: Mjerenje usporeivača plamena i plastifikatora zasnovanih na organofosforim mješavinama - Ester fosforne kiseline	2,75	Ad	27	BAS/TC 7
16.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	pnBAS ISO 16000-30:2019	Zrak u zatvorenom prostoru – Dio 30: Senzorno ispitivanje zraka u zatvorenom prostoru	2,75	Ad	36	BAS/TC 7
17.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	pnBAS ISO 16000-29:2019	Zrak u zatvorenom prostoru – Dio 29: Ispitna metoda za VOC detektore	2,75	Ad	40	BAS/TC 7
18.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	pnBAS ISO 16000-27:2019	Zrak u zatvorenom prostoru – Dio 27: Određivanje slegnute vlaknaste prašine na površini pomoću mikroskopije skeniranja elektrona (SEM) (direktna metoda)	2,75	Ad	35	BAS/TC 7

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
19.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	pnBAS ISO 16000-21:2019	Zrak u zatvorenom prostoru – Dio 21: Detekcija i brojanje plijesni - Uzorkovanje iz materijala	2,75	Ad	16	BAS/TC 7
20.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	pnBAS ISO 16000-20:2019	Zrak u zatvorenom prostoru – Dio 20: Detekcija i brojanje plijesni - Određivanje ukupnog broja spora	2,75	Ad	18	BAS/TC 7
21.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	pnBAS CEN ISO/TS 21623:2019	Izloženost na radnom mjestu – Ocjena dermalne izloženosti nanoobjektima i njihovim agregatima i aglomeratima	2,75	Ad	37	BAS/TC 7
22.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Mehaničke vibracije i udari	prBAS ISO 2631-5:2019	Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 5: Method for evaluation of vibration containing multiple shocks	2,63	Ad	40	BAS/TC 40
23.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	prBAS EN ISO 4007:2019	Personal protective equipment - Eye and face protection - Vocabulary	2	Ad	82	BAS/TC 14
24.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	nsBAS EN ISO 374-1/A1:2019	Zaštitne rukavice za opasne hemikalije i mikroorganizme - Dio 1: Terminologija i zahtjevi za performanse za hemijske rizike - Amandman 1	2	Ad	10	BAS/TC 14
25.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	nsBAS EN ISO 27065:2019	Zaštitna odjeća – Zahtjevi za osobine zaštitne odjeće za radnike koji vrše prskanje pesticidima i radnike u prethodno tretiranom području	2	Ad	27	BAS/TC 14
26.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	nsBAS EN ISO 20349-2:2019	Lična zaštitna oprema – Obuča za zaštitu od rizika u livnicama i kod zavarivanja – Dio 2: Zahtjevi i metode ispitivanja za zaštitu od rizika kod zavarivanja i srodnih postupaka	2	Ad	19	BAS/TC 14
27.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	nsBAS EN ISO 19918:2019	Zaštitna odjeća - Zaštita od hemikalija - Mjerenje kumulativne propusnosti hemikalija s niskim parnim pritiskom kroz materijale	2	Ad	26	BAS/TC 14

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
28.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	nsBAS EN ISO 18640-2:2019	Zaštitna odjeća za vatrogasce - Fiziološki uticaj - Dio 2: Određivanje fiziološkog toplotnog opterećenja uzrokovanog zaštitnom odjećom koju nose vatrogasci	2	Ad	28	BAS/TC 14
29.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	nsBAS EN ISO 18640-1:2019	Zaštitna odjeća za vatrogasce - Fiziološki uticaj - Dio 1: Mjerenje prijenosa toplote i transfera vlage pomoću oznojenog torza	2	Ad	48	BAS/TC 14
30.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	prBAS EN ISO 11393-1:2019	Protective clothing for users of hand-held chainsaws - Part 1: Test rig for testing resistance to cutting by a chainsaw (ISO 11393-1:2018)	2	Ad	18	BAS/TC 14
31.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	prBAS EN ISO 11393-3:2019	Protective clothing for users of hand-held chainsaws - Part 3: Test methods for footwear (ISO 11393-3:2018)	2	Ad	23	BAS/TC 14
32.	Opskrba vodom; uklanjanje otpadnih voda, upravljanje otpadom	Sakupljanje, pročišćavanje i snabdijevanje vodom	Kvaliteta vode	ISO 20236:2018	Water quality - Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TNb) and dissolved bound nitrogen (DNb) after high temperature catalytic oxidative combustion	2,75	Ad	18	BAS/TC 7
33.	Opskrba vodom; uklanjanje otpadnih voda, upravljanje otpadom	Sakupljanje, pročišćavanje i snabdijevanje vodom	Kvaliteta vode	ISO 11349:2010	Water quality - Determination of low-volatility lipophilic substances - Gravimetric method	2,75	Ad	7	BAS/TC 7
34.	Opskrba vodom; uklanjanje otpadnih voda, upravljanje otpadom	Sakupljanje, pročišćavanje i snabdijevanje vodom	Kvaliteta vode	ISO 15923-1:2013	Water quality - Determination of selected parameters by discrete analysis systems - Part 1: Ammonium, nitrate, nitrite, chloride, orthophosphate, sulfate and silicate with photometric detection	2,75	Ad	25	BAS/TC 7

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
35.	Opskrba vodom; uklanjanje otpadnih voda, upravljanje otpadom	Sakupljanje, pročišćavanje i snabdijevanje vodom	Kvaliteta vode	ISO/TS 15923-2:2017	Water quality - Determination of selected parameters by discrete analysis systems - Part 2: Chromium(VI), fluoride, total alkalinity, total hardness, calcium, magnesium, iron, iron(II), manganese and aluminium with photometric detection	2,75	Ad	31	BAS/TC 7
36.	Opskrba vodom; uklanjanje otpadnih voda, upravljanje otpadom	Sakupljanje, pročišćavanje i snabdijevanje vodom	Kvaliteta vode	ISO 18191:2015	Water quality - Determination of pH in sea water - Method using the indicator dye m-cresol purple	2,75	Ad	11	BAS/TC 7
37.	Prerađivačka industrija	Proizvodnja koksa i rafiniranih naftnih proizvoda	Proizvod od nafte	EN ISO 4259-1:2017	Petroleum and related products - Precision of measurement methods and results - Part 1: Determination of precision data in relation to methods of test	2,25	AdTr	80	BAS/TC 11
38.	Prerađivačka industrija	Proizvodnja koksa i rafiniranih naftnih proizvoda	Proizvod od nafte	EN ISO 4259-2:2017	Petroleum and related products - Precision of measurement methods and results - Part 2: Interpretation and application of precision data in relation to methods of test	2,25	AdTr	30	BAS/TC 11
39.	Proizvodnja i opskrba električnom energijom, plinom, parom i klimatizacija	Proizvodnja, prijenos i distribucija električne energije	Primjena osvjetljenja	ISO/CIE 19476:2014	Characterization of the performance of illuminance meters and luminance meters	1,70	Ad	48	BAS/TC 19
40.	Proizvodnja i opskrba električnom energijom, plinom, parom i klimatizacija	Proizvodnja, prijenos i distribucija električne energije	Primjena osvjetljenja	ISO 23539:2005/CIE S 010/E:2004	Photometry - The CIE system of physical photometry	1,70	Ad	28	BAS/TC 19

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
41.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Radiološka zaštita	ISO 4037-1:2019	Radiological protection - X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy -- Part 1: Radiation characteristics and production methods	2	Ad	47	BAS/TC 25
42.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Radiološka zaštita	ISO 4037-2:2019	Radiological protection -- X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy -- Part 2: Dosimetry for radiation protection over the energy ranges from 8 keV to 1,3 MeV and 4 MeV to 9 MeV	2	Ad	28	BAS/TC 25
43.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Radiološka zaštita	ISO 4037-3:2019	Radiological protection - X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy -- Part 3: Calibration of area and personal dosimeters and the measurement of their response as a function of energy and angle of incidence	2	Ad	68	BAS/TC 25
44.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Radiološka zaštita	ISO 4037-4:2019	Radiological protection - X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy -- Part 4: Calibration of area and personal dosimeters in low energy X reference radiation fields	2	Ad	18	BAS/TC 25
45.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Radiološka zaštita	prBAS EN ISO 29661:2019	Referentna polja zračenja za zaštitu od zračenja – Definicije i osnovni pojmovi	2	Ad	38	BAS/TC 25

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
46.	Stručne, znanstvene i tehničke djelatnosti	Tehničko ispitivanje i analiza	Vakumska mjerila	ISO-3567:2011	Vacuum gauges — Calibration by direct comparison with a reference gauge	2,00	Ad	14	BAS/TC 38
47.	Stručne, znanstvene i tehničke djelatnosti	Tehničko ispitivanje i analiza	Vakumska mjerila	ISO-27893:2011	Vacuum technology — Vacuum gauges — Evaluation of the uncertainties of results of calibrations by direct comparison with a reference gauge	2,00	Ad	15	BAS/TC 38
48.	Stručne, znanstvene i tehničke djelatnosti	Tehničko ispitivanje i analiza	Vakumska mjerila	ISO 19685:2017	Vacuum Technology – Vacuum gauges – Specifications, calibrations and measurement uncertainties for Pirani gauges	2,00	Ad	13	BAS/TC 38
49.	Stručne, znanstvene i tehničke djelatnosti	Tehničko ispitivanje i analiza	Vakumska mjerila	ISO 20146:2019	Vacuum technology — Vacuum gauges — Specifications, calibration and measurement uncertainties for capacitance diaphragm gauges	2,00	Ad	16	BAS/TC 38
50.	Stručne, znanstvene i tehničke djelatnosti	Tehničko ispitivanje i analiza	Vakumska mjerila	ISO 27894:2009	Vacuum Technology – Vacuum gauges – Specifications for hot cathode ionization gauges	2,00	Ad	19	BAS/TC 38
51.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Sigurnost dječijih igračkaka	prBAS EN 71-1+A1:2019	Sigurnost igračkaka – Dio 1: Mehanička i fizička svojstva	2	Ad	184	BAS/TC 54
52.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Sigurnost dječijih igračkaka	prBAS EN 71-3+A3:2019	Sigurnost igračkaka - Dio 3: Migracija određenih elemenata	2	Ad	54	BAS/TC 54
53.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Sigurnost dječijih igračkaka	prBAS EN 71-7+A2:2019	Sigurnost igračkaka - Dio 7: Boje za bojenje prstima - Zahtjevi i metode ispitivanja	2	Ad	74	BAS/TC 54
54.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Sigurnost dječijih igračkaka	prBAS EN 71-8:2019	Sigurnost igračkaka - Dio 8: Igračke za podsticanje aktivnosti namjenjene kućnoj upotrebi	2	Ad	67	BAS/TC 54
55.	Stručne, znanstvene i tehničke djelatnosti	Upravljačke djelatnosti	Sistemi upravljanja kvalitetom	prBAS ISO 37001:2018	Sistemi upravljanja za sprečavanje podmićivanja — Zahtjevi sa upustvima za upotrebu	2,50	AdTr	45	BAS/TC 55

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
56.	Informacije i komunikacije	Informacijske uslužne djelatnosti	Informaciona tehnologija - Upravljanje uslugama	ISO/IEC 20000-1:2018	Information technology - Service management -- Part 10: Concepts and vocabulary	2,00	Ad	31	BAS/TC 1
57.	Prijevoz i skladištenje	Kopeneni prijevoz i cjevovodni transport	Željeznički prijevoz	nsBAS EN 13103-1:2019	Područje primjene na željeznici – Osovinski sklopovi i obrtna postolja – Dio 1: Metoda projektovanja za osovine sa spoljašnjim uležištenjem	3,00	Ad	102	BAS/TC 46
58.	Informacije i komunikacije	Telekomunikacije	Digitalni audio i video program	ETSI TS 136 104 V15.4.0:2018	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 15.4.0 Release 15)	3,00	Ad	299	BAS/TC 5
59.	Informacije i komunikacije	Telekomunikacije	Digitalni audio i video program	pnBAS EN 300 401 V2.1.1:2019	Radiodifuzijski sistemi - Digitalna audio radiodifuzija (DAB) prema pokretnim, prenosnim i nepokretnim prijamnicima	3,00	Ad	124	BAS/TC 5
60.	Informacije i komunikacije	Telekomunikacije	Digitalni audio i video program	ETSI TR 101 495 V2.1.1:2017	Digital Audio Broadcasting (DAB); Guide to DAB standards	3,00	Ad	20	BAS/TC 5
61.	Informacije i komunikacije	Telekomunikacije	Digitalni audio i video program	ETSI TS 102 563 V2.1.1:2017	Digital Audio Broadcasting (DAB); DAB+ audio coding (MPEG HE-AACv2)	3,00	Ad	28	BAS/TC 5
62.	Informacije i komunikacije	Telekomunikacije	Digitalni audio i video program	ETSI TS 102 796 V1.5.1:2018	Hybrid Broadcast Broadband TV	3,00	Ad	316	BAS/TC 5
63.	Vađenje ruda i kamena	Pomoćne djelatnosti za ostalo vađenje ruda i kamena	Sigurnost u rudnicima	prBAS EN IEC 60079-0:2019	Eksplzivne atmosfere – Dio 0: Oprema - Opšti zahtjevi	2,10	AdTr	142	BAS/TC 6
64.	Vađenje ruda i kamena	Pomoćne djelatnosti za ostalo vađenje ruda i kamena	Sigurnost u rudnicima	prBAS EN 1127-2:2019	Eksplzivne atmosfere – Sprječavanje eksplozije i zaštita od eksplozije – Dio 2: Osnovni pojmovi i metodologija u rudarstvu	2,10	AdTr	34	BAS/TC 6
65.	Vađenje ruda i kamena	Pomoćne djelatnosti za ostalo vađenje ruda i kamena	Sigurnost u rudnicima	EN 14460:2018	Explosion resistant equipment	2,10	AdTr	36	BAS/TC 6

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
66.	Vađenje ruda i kamena	Pomoćne djelatnosti za ostalo vađenje ruda i kamena	Sigurnost u rudnicima	prBAS EN 50525-2-21:2019	Električni kablovi - Niskonaponski energetski kablovi nazivnih napona do i uključujući 450/750 V (Uo/U) — Dio 2-21: Savitljivi kablovi sa izolacijom od umreženog elastomera	2,10	AdTr	40	BAS/TC 30
67.	Vađenje ruda i kamena	Pomoćne djelatnosti za ostalo vađenje ruda i kamena	Sigurnost u rudnicima	EN 60079-10-2:2015	Explosive atmospheres - Part 10-2: Classification of areas - Explosive dust atmospheres	2,10	AdTr	33	BAS/TC 6
68.	Prijevoz i skladištenje	Poštanske i kurirske djelatnosti	Poštanske usluge	prBAS EN ISO 19160-4:2019	Adresiranje - Dio 4: Komponente i jezični predlošci za međunarodne poštanske adrese	2,67	Ad	61	BAS/TC 5
69.	Prijevoz i skladištenje	Poštanske i kurirske djelatnosti	Poštanske usluge	pnBAS CEN/TS 17217:2019	Poštanske usluge – Naličje koverta – Zahtjevi za dizajn i štampanje	2,67	Ad	14	BAS/TC 5
70.	Prijevoz i skladištenje	Poštanske i kurirske djelatnosti	Poštanske usluge	prEN 13850	Postal services - Quality of services - Measurement of the transit time of end-to-end services for single piece priority mail and first class mail	2,67	Mo	122	BAS/TC 5
71.	Proizvodnja i opskrba električnom energijom, plinom, parom i klimatizacija	Proizvodnja, prijenos i distribucija električne energije	Izolacijske tečnosti za primjenu u elektrotehnici	IEC 62961:2018	Insulating liquids - Test methods for the determination of interfacial tension of insulating liquids - Determination with the ring method	1,70	Ad	23	BAS/TC 53
72.	Proizvodnja i opskrba električnom energijom, plinom, parom i klimatizacija	Proizvodnja, prijenos i distribucija električne energije	Izolacijske tečnosti za primjenu u elektrotehnici	IEC 60156:2018 RLV	Insulating liquids - Determination of the breakdown voltage at power frequency - Test method	1,70	Ad	60	BAS/TC 53
73.	Proizvodnja i opskrba električnom energijom, plinom, parom i klimatizacija	Proizvodnja, prijenos i distribucija električne energije	Izolacijske tečnosti za primjenu u elektrotehnici	IEC 61125:2018	Insulating liquids - Test methods for oxidation stability - Test method for evaluating the oxidation stability of insulating liquids in the delivered state	1,70	Ad	54	BAS/TC 53

**Tabela A.2 – Lista planiranih standarda za 2020. godinu**

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjeak)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
1.	Prerađivačka industrija	Proizvodnja proizvoda od betona, cementa i gipsa	Beton	prEN 206 rev	Concrete - Part 1: Specification, performance, production and conformity criteria	2,20	Mo	98	BAS/TC 21
2.	Prerađivačka industrija	Proizvodnja proizvoda od betona, cementa i gipsa	Agregati za beton	FprEN 12620	Aggregates for concrete	2,20	Mo	50	BAS/TC 21
3.	Informacije i komunikacije	Informacijske uslužne djelatnosti	Informaciona tehnologija - Upravljanje uslugama	ISO/IEC 20000-1:2018	Information technology - Service management - Part 1: Service management system requirements	2,00	Ad	28	BAS/TC 1
4.	Informacije i komunikacije	Informacijske uslužne djelatnosti	Informaciona tehnologija - Upravljanje uslugama	ISO/IEC 20000-10:2018	Information technology - Service management - Part 10: Concepts and vocabulary	2,00	Ad	28	BAS/TC 1
5.	Javna uprava i obrana; obvezno socijalno osiguranje	Javna uprava i obrana; obvezno socijalno osiguranje	Društvena sigurnost	prEN ISO 22301	Security and resilience - Business continuity management systems - Requirements	2,25	Mo	36	BAS/TC 59
6.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Zaštita od požara	EN 54-3:2014+A1:2019	Fire detection and fire alarm systems - Part 3: Fire alarm devices - Sounders	2,63	Mo	97	BAS/TC 13
7.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Zaštita od požara	EN 54-22:2015/FprA1	Fire detection and fire alarm systems - Part 22: Resettable line-type heat detectors	2,63	Mo	12	BAS/TC 13
8.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Zaštita od požara	EN 54-13:2017/prA1	Fire detection and fire alarm systems - Part 13: Compatibility and connectability assessment of system components	2,63	Mo	6	BAS/TC 13

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
9.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Zaštita od požara	FprEN ISO 14644-16	Cleanrooms and associated controlled environments - Part 16: Energy efficiency in cleanrooms and clean air devices (ISO/FDIS 14644-16:2019)	2,63	Mo	47	BAS/TC 7
10.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 9096:2017	Stationary source emissions - Manual determination of mass concentration of particulate matter	2,75	Ad	48	BAS/TC 7
11.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 8672:2014	Air quality - Determination of the number concentration of airborne inorganic fibres by phase contrast optical microscopy - Membrane filter method	2,75	Ad	36	BAS/TC 7
12.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 28902-3:2018	Air quality - Environmental meteorology - Part 3: Ground-based remote sensing of wind by continuous-wave Doppler lidar	2,75	Ad	24	BAS/TC 7
13.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 28902-2:2017	Air quality - Environmental meteorology - Part 2: Ground-based remote sensing of wind by heterodyne pulsed Doppler lidar	2,75	Ad	44	BAS/TC 7
14.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 28902-1:2012	Air quality - Environmental meteorology - Part 1: Ground-based remote sensing of visual range by lidar	2,75	Ad	35	BAS/TC 7
15.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 25597:2013	Stationary source emissions - Test method for determining PM <sub>2,5</sub> and PM <sub>10</sub> mass in stack gases using cyclone samplers and sample dilution	2,75	Ad	66	BAS/TC 7
16.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 22262-3:2016	Air quality - Bulk materials - Part 3: Quantitative determination of asbestos by X-ray diffraction method	2,75	Ad	75	BAS/TC 7
17.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 22262-2:2014	Air quality - Bulk materials - Part 2: Quantitative determination of asbestos by gravimetric and microscopical methods	2,75	Ad	52	BAS/TC 7

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjeak)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
18.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 22262-1:2012	Air quality - Bulk materials - Part 1: Sampling and qualitative determination of asbestos in commercial bulk materials	2,75	Ad	75	BAS/TC 7
19.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 21832:2018	Workplace air - Metals and metalloids in airborne particles - Requirements for evaluation of measuring procedures	2,75	Ad	44	BAS/TC 7
20.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 20581:2016	Workplace air - General requirements for the performance of procedures for the measurement of chemical agents	2,75	Ad	21	BAS/TC 7
21.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 19926-1:2019	Meteorology - Weather radar - Part 1: System performance and operation	2,75	Ad	98	BAS/TC 7
22.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 19289:2015	Air quality - Meteorology - Siting classifications for surface observing stations on land	2,75	Ad	19	BAS/TC 7
23.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 19087:2018	Workplace air - Analysis of respirable crystalline silica by Fourier-Transform Infrared spectroscopy	2,75	Ad	35	BAS/TC 7
24.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 18466:2016	Stationary source emissions - Determination of the biogenic fraction in CO2 in stack gas using the balance method	2,75	Ad	32	BAS/TC 7
25.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 18158:2016	Workplace air - Terminology	2,75	Ad	34	BAS/TC 7
26.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 17734-2:2013	Determination of organonitrogen compounds in air using liquid chromatography and mass spectrometry - Part 2: Amines and aminoisocyanates using dibutylamine and ethyl chloroformate derivatives	2,75	Ad	39	BAS/TC 7

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
27.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 17734-1:2013	Determination of organonitrogen compounds in air using liquid chromatography and mass spectrometry - Part 1: Isocyanates using dibutylamine derivatives	2,75	Ad	34	BAS/TC 7
28.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 17733:2015	Workplace air - Determination of mercury and inorganic mercury compounds - Method by cold-vapour atomic absorption spectrometry or atomic fluorescence spectrometry	2,75	Ad	60	BAS/TC 7
29.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 17211:2015	Stationary source emissions - Sampling and determination of selenium compounds in flue gas	2,75	Ad	30	BAS/TC 7
30.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 17179:2016	Stationary source emissions - Determination of the mass concentration of ammonia in flue gas - Performance characteristics of automated measuring systems	2,75	Ad	45	BAS/TC 7
31.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Mehaničke vibracije i udari	ISO 9996:1996	Mechanical vibration and shock - Disturbance to human activity and performance - Classification	2,63	Ad	14	BAS/TC 40
32.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Mehaničke vibracije i udari	ISO 8727:1997/Amd 1:2015	Mechanical vibration and shock — Human exposure — Biodynamic coordinate systems - AMENDMENT 1	2,63	Ad	9	BAS/TC 40
33.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Mehaničke vibracije i udari	ISO 8727:1997	Mechanical vibration and shock - Human exposure - Biodynamic coordinate systems	2,63	Ad	20	BAS/TC 40

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
34.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Mehaničke vibracije i udari	ISO 6897:1984	Guidelines for the evaluation of the response of occupants of fixed structures, especially buildings and off-shore structures, to low-frequency horizontal motion (0,063 to 1 Hz)	2,63	Ad	14	BAS/TC 40
35.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Mehaničke vibracije i udari	ISO 5805:1997	Mechanical vibration and shock - Human exposure - Vocabulary	2,63	Ad	26	BAS/TC 40
36.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 10843:1997	Acoustics - Methods for the description and physical measurement of single impulses or series of impulses	2,63	Ad	30	BAS/TC 36
37.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 10843:1997/Cor 1:2009	Acoustics — Methods for the description and physical measurement of single impulses or series of impulses - TECHNICAL CORRIGENDUM 1	2,63	Ad	6	BAS/TC 36
38.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 12913-1:2014	Acoustics - Soundscape - Part 1: Definition and conceptual framework	2,63	Ad	10	BAS/TC 36
39.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 13472-2:2010	Acoustics - Measurement of sound absorption properties of road surfaces in situ - Part 2: Spot method for reflective surfaces	2,63	Ad	25	BAS/TC 36

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
40.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	EN ISO 13473-1:2019	Characterization of pavement texture by use of surface profiles - Part 1: Determination of mean profile depth (ISO 13473-1:2019)	2,63	Ad	52	BAS/TC 36
41.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 13475-1:1999	Acoustics - Stationary audible warning devices used outdoors - Part 1: Field measurements for determination of sound emission quantities	2,63	Ad	24	BAS/TC 36
42.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 15665:2003	Acoustics - Acoustic insulation for pipes, valves and flanges	2,63	Ad	41	BAS/TC 36
43.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 15665:2003/Cor 1:2004	Acoustics — Acoustic insulation for pipes, valves and flanges - TECHNICAL CORRIGENDUM 1	2,63	Ad	1	BAS/TC 36
44.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 16254:2016	Acoustics - Measurement of sound emitted by road vehicles of category M and N at standstill and low speed operation - Engineering method	2,63	Ad	45	BAS/TC 36
45.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	EN ISO 17201-1:2018	Acoustics - Noise from shooting ranges - Part 1: Determination of muzzle blast by measurement (ISO 17201-1:2018)	2,63	Ad	47	BAS/TC 36

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
46.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	EN ISO 17201-3:2019	Acoustics - Noise from shooting ranges - Part 3: Sound propagation calculations (ISO 17201-3:2019)	2,63	Ad	68	BAS/TC 36
47.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 17534-1:2015	Acoustics - Software for the calculation of sound outdoors - Part 1: Quality requirements and quality assurance	2,63	Ad	28	BAS/TC 36
48.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 1996-1:2016	Acoustics - Description, measurement and assessment of environmental noise - Part 1: Basic quantities and assessment procedures	2,63	Ad	52	BAS/TC 36
49.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 1996-2:2017	Acoustics - Description, measurement and assessment of environmental noise - Part 2: Determination of sound pressure levels	2,63	Ad	65	BAS/TC 36
50.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 20906:2009	Acoustics - Unattended monitoring of aircraft sound in the vicinity of airports	2,63	Ad	42	BAS/TC 36
51.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 20906:2009/Amd 1:2013	Acoustics — Unattended monitoring of aircraft sound in the vicinity of airports — AMENDMENT 1	2,63	Ad	8	BAS/TC 36
52.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	ISO 6529:2013	Protective clothing - Protection against chemicals - Determination of resistance of protective clothing materials to permeation by liquids and gases	2	Ad	50	BAS/TC 14

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
53.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	ISO 23388:2018	Protective gloves against mechanical risks	2	Ad	32	BAS/TC 14
54.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	ISO 22610:2018	Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical staff and equipment - Test method to determine the resistance to wet bacterial penetration	2	Ad	32	BAS/TC 14
55.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	ISO 18639-6:2018	PPE ensembles for firefighters undertaking specific rescue activities - Part 6: Footwear	2	Ad	24	BAS/TC 14
56.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	ISO 18639-5:2018	PPE ensembles for firefighters undertaking specific rescue activities - Part 5: Helmet	2	Ad	25	BAS/TC 14
57.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	ISO 18639-4:2018	PPE ensembles for firefighters undertaking specific rescue activities - Part 4: Gloves	2	Ad	26	BAS/TC 14
58.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	ISO 18639-3:2018	PPE ensembles for firefighters undertaking specific rescue activities - Part 3: Clothing	2	Ad	21	BAS/TC 14
59.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	ISO 18639-1:2018	PPE ensembles for firefighters undertaking specific rescue activities - Part 1: General	2	Ad	23	BAS/TC 14
60.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	ISO 17493:2016	Clothing and equipment for protection against heat - Test method for convective heat resistance using a hot air circulating oven	2	Ad	16	BAS/TC 14
61.	Prerađivačka industrija	Proizvodnja koksa i rafiniranih naftnih proizvoda	Proizvod od nafte	EN 589:2018	Automotive fuels - LPG - Requirements and test methods	2,25	AdTr	18	BAS/TC 11
62.	Opskrba vodom; uklanjanje otpadnih voda, upravljanje otpadom	Sakupljanje, pročišćavanje i snabdijevanje vodom	Kvaliteta vode	ISO 11352:2012	Water quality - Estimation of measurement uncertainty based on validation and quality control data	2,75	Ad	26	BAS/TC 7

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
63.	Opskrba vodom; uklanjanje otpadnih voda, upravljanje otpadom	Sakupljanje, pročišćavanje i snabdijevanje vodom	Kvaliteta vode	ISO 17289:2014	Water quality - Determination of dissolved oxygen - Optical sensor method	2,75	Ad	14	BAS/TC 7
64.	Opskrba vodom; uklanjanje otpadnih voda, upravljanje otpadom	Sakupljanje, pročišćavanje i snabdijevanje vodom	Kvaliteta vode	ISO 17378-1:2014	Water quality - Determination of arsenic and antimony - Part 1: Method using hydride generation atomic fluorescence spectrometry (HG-AFS)	2,75	Ad	20	BAS/TC 7
65.	Opskrba vodom; uklanjanje otpadnih voda, upravljanje otpadom	Sakupljanje, pročišćavanje i snabdijevanje vodom	Kvaliteta vode	ISO 17690:2015	Water quality - Determination of available free cyanide (pH 6) using flow injection analysis (FIA), gas-diffusion and amperometric detection	2,75	Ad	12	BAS/TC 7
66.	Opskrba vodom; uklanjanje otpadnih voda, upravljanje otpadom	Sakupljanje, pročišćavanje i snabdijevanje vodom	Kvaliteta vode	ISO/TS 17951-1:2016	Water quality - Determination of fluoride using flow analysis (FIA and CFA) - Part 1: Method using flow injection analysis (FIA) and spectrometric detection after off-line distillation	2,75	Ad	12	BAS/TC 7
67.	Informacije i komunikacije	Telekomunikacije	Elektronički potpis	EN 319 401 V2.2.1:2018	Electronic Signatures and Infrastructures (ESI);General Policy Requirements for Trust Service Providers	3,00	AdTr	22	BAS/TC 5
68.	Informacije i komunikacije	Telekomunikacije	Elektronički potpis	EN 319 411-1 V1.2.2:2018	Electronic Signatures and Infrastructures (ESI);Policy and security requirements for Trust Service Providers issuing certificates - Part 1: General requirements	3,00	AdTr	52	BAS/TC 5
69.	Informacije i komunikacije	Telekomunikacije	Elektronički potpis	EN 319 411-2 V2.2.2:2018	Electronic Signatures and Infrastructures (ESI);Policy and security requirements for Trust Service Providers issuing certificates - Part 2: Requirements for trust service providers issuing EU qualified certificates	3,00	AdTr	31	BAS/TC 5

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
70.	Informacije i komunikacije	Telekomunikacije	Elektronički potpis	EN 319 421 V1.1.1:2016	Electronic Signatures and Infrastructures (ESI); Policy and Security Requirements for Trust Service Providers issuing Time-Stamps	3,00	AdTr	31	BAS/TC 5
71.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Sigurnost dječijih igračaka	EN 71-14:2018	Safety of toys - Part 14: Trampolines for domestic use	2	Ad	45	BAS/TC 54
72.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Sigurnost dječijih igračaka	FprEN 71-3	Safety of toys - Part 3: Migration of certain elements	2	Mo	59	BAS/TC 54
73.	Informacije i komunikacije	Informacijske uslužne djelatnosti	Informaciona tehnologija - Upravljanje uslugama	ISO/IEC 27018:2019	Informaciona tehnologija - Sigurnosne tehnike - Pravilo dobre prakse za zaštitu ličnih informacija (PII) u javnim oblacima koji obrađuju PII	2,00	Ad	23	BAS/TC 1
74.	Prijevoz i skladištenje	Kopeneni prijevoz i cjevovodni transport	Željeznički prijevoz	EN 50129:2018	Railway applications - Communication, signalling and processing systems - Safety related electronic systems for signalling	3,00	Ad	154	BAS/TC 46
75.	Prijevoz i skladištenje	Kopeneni prijevoz i cjevovodni transport	Željeznički prijevoz	EN 14363:2016+A1:2018	Railway applications - Testing and Simulation for the acceptance of running characteristics of railway vehicles - Running Behaviour and stationary tests	3,00	Ad	197	BAS/TC 46
76.	Prijevoz i skladištenje	Kopeneni prijevoz i cjevovodni transport	Željeznički prijevoz	EN 14535-1:2019	Railway applications - Brake discs for railway rolling stock - Part 1: Brake discs pressed or shrunk onto the axle or drive shaft, dimensions and quality requirements	3,00	Ad	23	BAS/TC 46
77.	Prerađivačka industrija	Proizvodnja ostalih mašina za posebne namjene	Robotika	ISO 8373:2012	Robots and robotic devices - Vocabulary	1,29	Ad	38	BAS/TC 51
78.	Prerađivačka industrija	Proizvodnja ostalih mašina za posebne namjene	Robotika	ISO 19649:2017	Mobile robots - Vocabulary	1,29	Ad	10	BAS/TC 51
79.	Prerađivačka industrija	Proizvodnja ostalih mašina za posebne namjene	Robotika	ISO 18646-1:2016	Robotics - Performance criteria and related test methods for service robots - Part 1: Locomotion for wheeled robots	1,29	Ad	13	BAS/TC 51

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
80.	Prerađivačka industrija	Proizvodnja ostalih mašina za posebne namjene	Robotika	ISO/TS 15066:2016	Robots and robotic devices - Collaborative robots	1,29	Ad	33	BAS/TC 51
81.	Prerađivačka industrija	Proizvodnja ostalih mašina za posebne namjene	Robotika	ISO/TR 20218-1:2018	Robotics - Safety design for industrial robot systems - Part 1: End-effectors	1,29	Ad	25	BAS/TC 51
82.	Prerađivačka industrija	Proizvodnja ostalih mašina za posebne namjene	Robotika	ISO/TR 20218-2:2017	Robotics - Safety design for industrial robot systems - Part 2: Manual load/unload stations	1,29	Ad	14	BAS/TC 51
83.	Vađenje ruda i kamena	Pomoćne djelatnosti za ostalo vađenje ruda i kamena	Sigurnost u rudnicima	EN 60079-13:2017	Explosive atmospheres - Part 13: Equipment protection by pressurized room "p" and artificially ventilated room "v"	2,10	AdTr	43	BAS/TC 6
84.	Vađenje ruda i kamena	Pomoćne djelatnosti za ostalo vađenje ruda i kamena	Sigurnost u rudnicima	EN 60079-17:2014	Explosive atmospheres - Part 17: Electrical installations inspection and maintenance	2,10	AdTr	42	BAS/TC 6
85.	Stručne, znanstvene i tehničke djelatnosti	Upravljačke djelatnosti	Sistemi upravljanja kvalitetom	ISO 18091	Quality management systems - Guidelines for the application of ISO 9001:2008 in local government	2,50	Mo	73	BAS/TC 3
86.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Dječija kolica	EN 1888-1:2018	Child care articles - Wheeled child conveyances - Part 1: Pushchairs and prams	1,75	Ad	111	BAS/TC 54
87.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Dječija kolica	EN 1888-2:2018	Child care articles - Wheeled child conveyances - Part 2: Pushchairs for children above 15 kg up to 22 kg	1,75	Ad	11	BAS/TC 54

**Tabela A.3 – Lista planiranih standarda za 2021. godinu**

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
1.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 17091:2013	Workplace air - Determination of lithium hydroxide, sodium hydroxide, potassium hydroxide and calcium dihydroxide - Method by measurement of corresponding cations by suppressed ion chromatography	2,75	Ad	28	BAS/TC 7
2.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 16258-2:2015	Workplace air - Analysis of respirable crystalline silica by X-ray diffraction - Part 2: Method by indirect analysis	2,75	Ad	36	BAS/TC 7
3.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 16258-1:2015	Workplace air - Analysis of respirable crystalline silica by X-ray diffraction - Part 1: Direct-on-filter method	2,75	Ad	31	BAS/TC 7
4.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 16000-38:2019	Indoor air - Part 38: Determination of amines in indoor and test chamber air - Active sampling on samplers containing phosphoric acid impregnated filters	2,75	Ad	15	BAS/TC 7
5.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 16000-37:2019	Indoor air - Part 37: Measurement of PM <sub>2,5</sub> mass concentration	2,75	Ad	17	BAS/TC 7
6.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 16000-36:2018	Indoor air - Part 36: Standard method for assessing the reduction rate of culturable airborne bacteria by air purifiers using a test chamber	2,75	Ad	23	BAS/TC 7
7.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 16000-24:2018	Indoor air - Part 24: Performance test for evaluating the reduction of volatile organic compound concentrations by sorptive building materials	2,75	Ad	25	BAS/TC 7
8.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 16000-23:2018	Indoor air - Part 23: Performance test for evaluating the reduction of formaldehyde and other carbonyl compounds concentrations by sorptive building materials	2,75	Ad	27	BAS/TC 7

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
9.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 14385-2:2014	Stationary source emissions - Greenhouse gases - Part 2: Ongoing quality control of automated measuring systems	2,75	Ad	37	BAS/TC 7
10.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 14385-1:2014	Stationary source emissions - Greenhouse gases - Part 1: Calibration of automated measuring systems	2,75	Ad	40	BAS/TC 7
11.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 14382:2012	Workplace atmospheres - Determination of toluene diisocyanate vapours using 1-(2-pyridyl)piperazine-coated glass fibre filters and analysis by high performance liquid chromatography with ultraviolet and fluorescence detectors	2,75	Ad	26	BAS/TC 7
12.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 13271:2012	Stationary source emissions - Determination of PM10/PM2,5 mass concentration in flue gas - Measurement at higher concentrations by use of virtual impactors	2,75	Ad	45	BAS/TC 7
13.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 12219-8:2018	Interior air of road vehicles - Part 8: Handling and packaging of materials and components for emission testing	2,75	Ad	15	BAS/TC 7
14.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 12219-7:2017	Interior air of road vehicles - Part 7: Odour determination in interior air of road vehicles and test chamber air of trim components by olfactory measurements	2,75	Ad	26	BAS/TC 7
15.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 12219-6:2017	Interior air of road vehicles - Part 6: Method for the determination of the emissions of semi-volatile organic compounds from vehicle interior parts and materials at higher temperature - Small chamber method	2,75	Ad	23	BAS/TC 7

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjeak)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
16.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 12219-5:2014	Interior air of road vehicles - Part 5: Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Static chamber method	2,75	Ad	30	BAS/TC 7
17.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 12219-4:2013	Interior air of road vehicles - Part 4: Method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Small chamber method	2,75	Ad	22	BAS/TC 7
18.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 12219-3:2012	Interior air of road vehicles - Part 3: Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Micro-scale chamber method	2,75	Ad	27	BAS/TC 7
19.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 12219-2:2012	Interior air of road vehicles - Part 2: Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Bag method	2,75	Ad	20	BAS/TC 7
20.	Stručne, znanstvene i tehničke djelatnosti	Ostale stručne, znanstvene i tehničke djelatnosti	Kvaliteta zraka	ISO 12219-1:2012	Interior air of road vehicles - Part 1: Whole vehicle test chamber - Specification and method for the determination of volatile organic compounds in cabin interiors	2,75	Ad	27	BAS/TC 7
21.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Mehaničke vibracije i udari	ISO 13091-1:2001/Amd 1:2010	Mechanical vibration — Vibrotactile perception thresholds for the assessment of nerve dysfunction — Part 1: Methods of measurement at the fingertips - AMENDMENT 1	2,63	Ad	11	BAS/TC 40
22.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Mehaničke vibracije i udari	ISO 13091-1:2001	Mechanical vibration - Vibrotactile perception thresholds for the assessment of nerve dysfunction - Part 1: Methods of measurement at the fingertips	2,63	Ad	26	BAS/TC 40

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
23.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Mehaničke vibracije i udari	ISO 10326-2:2001	Mechanical vibration - Laboratory method for evaluating vehicle seat vibration - Part 2: Application to railway vehicles	2,63	Ad	23	BAS/TC 40
24.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Mehaničke vibracije i udari	ISO 10227:1996	Human/human surrogate impact (single shock) testing and evaluation - Guidance on technical aspects	2,63	Ad	11	BAS/TC 40
25.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 2923:1996/Cor 1:1997	Acoustics - Measurement of noise on board vessels - TECHNICAL CORRIGENDUM 1	2,63	Ad	1	BAS/TC 36
26.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 362-1:2015	Measurement of noise emitted by accelerating road vehicles - Engineering method - Part 1: M and N categories	2,63	Ad	71	BAS/TC 36
27.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 362-2:2009	Measurement of noise emitted by accelerating road vehicles - Engineering method - Part 2: L category	2,63	Ad	40	BAS/TC 36
28.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 362-3:2016	Measurement of noise emitted by accelerating road vehicles - Engineering method - Part 3: Indoor testing M and N categories	2,63	Ad	56	BAS/TC 36

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
29.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	EN ISO 3740:2019	Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards (ISO 3740:2019)	2,63	Ad	43	BAS/TC 36
30.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 3743-2:2018	Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering methods for small, movable sources in reverberant fields - Part 2: Methods for special reverberation test rooms	2,63	Ad	38	BAS/TC 36
31.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	EN ISO 4869-1:2018	Acoustics - Hearing protectors - Part 1: Subjective method for the measurement of sound attenuation (ISO 4869-1:2018)	2,63	Ad	26	BAS/TC 36
32.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	EN ISO 4869-2:2018	Acoustics - Hearing protectors - Part 2: Estimation of effective A-weighted sound pressure levels when hearing protectors are worn (ISO 4869-2:2018)	2,63	Ad	26	BAS/TC 36
33.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 4869-6:2019	Acoustics - Hearing protectors - Part 6: Determination of sound attenuation of active noise reduction earmuffs	2,63	Ad	16	BAS/TC 36
34.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 5128:1980	Acoustics - Measurement of noise inside motor vehicles	2,63	Ad	11	BAS/TC 36

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
35.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 5129:2001	Acoustics - Measurement of sound pressure levels in the interior of aircraft during flight	2,63	Ad	15	BAS/TC 36
36.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 5129:2001/Amd 1:2013	Acoustics — Measurement of sound pressure levels in the interior of aircraft during flight - Amendment 1	2,63	Ad	8	BAS/TC 36
37.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 7196:1995	Acoustics - Frequency-weighting characteristic for infrasound measurements	2,63	Ad	11	BAS/TC 36
38.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	EN ISO 7779:2018	Acoustics - Measurement of airborne noise emitted by information technology and telecommunications equipment (ISO 7779:2018)	2,63	Ad	79	BAS/TC 36
39.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 9296:2017	Acoustics - Declared noise emission values of information technology and telecommunications equipment	2,63	Ad	22	BAS/TC 36
40.	Stručne, znanstvene i tehničke djelatnosti	Arhitektonske i inženjerske djelatnosti; tehničko ispitivanje i analiza	Buka	ISO 9611:1996	Acoustics - Characterization of sources of structure-borne sound with respect to sound radiation from connected structures - Measurement of velocity at the contact points of machinery when resiliently mounted	2,63	Ad	26	BAS/TC 36
41.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	ISO 16975-3:2017	Respiratory protective devices - Selection, use and maintenance - Part 3: Fit-testing procedures	2	Ad	33	BAS/TC 14

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
42.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	ISO 16900-5:2016/Amd 1:2018	RPD head forms front and side view	2	Ad	5	BAS/TC 14
43.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	ISO 16900-2:2017	Respiratory protective devices - Methods of test and test equipment - Part 2: Determination of breathing resistance	2	Ad	13	BAS/TC 14
44.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	ISO 13506-2:2017	Protective clothing against heat and flame - Part 2: Skin burn injury prediction - Calculation requirements and test cases	2	Ad	23	BAS/TC 14
45.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	ISO 11613:2017	Protective clothing for firefighter's who are engaged in support activities associated with structural fire fighting - Laboratory test methods and performance	2	Ad	34	BAS/TC 14
46.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	EN ISO 15384:2018	Protective clothing for firefighters - Laboratory test methods and performance requirements for wildland firefighting clothing (ISO 15384:2018)	2	Ad	19	BAS/TC 14
47.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	FprEN ISO 11393-6	Protective clothing for users of hand-held chainsaws - Part 6: Performance requirements and test methods for upper body protectors (ISO/FDIS 11393-6:2018)	2	Mo	33	BAS/TC 14
48.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	FprEN ISO 11393-5	Protective clothing for users of hand-held chainsaws - Part 5: Performance requirements and test methods for protective gaiters (ISO/FDIS 11393-5:2018)	2	Mo	18	BAS/TC 14
49.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	FprEN ISO 11393-4	Protective clothing for users of hand-held chainsaws - Part 4: Performance requirements and test methods for protective gloves (ISO/FDIS 11393-4:2018)	2	Mo	34	BAS/TC 14
50.	Djelatnosti zdravstvene i socijalne skrbi	Djelatnosti zdravstvene zaštite	Lična zaštitna oprema	FprEN ISO 11393-2	Protective clothing for users of hand-held chainsaws - Part 2: Performance requirements and test methods for leg protectors (ISO/FDIS 11393-2:2018)	2	Mo	31	BAS/TC 14

#	Sektor	Oblast	Predmet	Oznaka standarda	Naslov standarda	Rang (Prosjek)	Način preuzimanja	Broj stranica	Oznaka tehničkog komiteta
51.	Opskrba vodom; uklanjanje otpadnih voda, upravljanje otpadom	Sakupljanje, pročišćavanje i snabdijevanje vodom	Kvaliteta vode	ISO/TS 19620:2018	Water quality - Determination of arsenic(III) and arsenic(V) species - Method using high performance liquid chromatography (HPLC) with detection by inductively coupled plasma mass spectrometry (ICP-MS) or hydride generation atomic fluorescence spectrometry	2,75	Ad	41	BAS/TC 7
52.	Opskrba vodom; uklanjanje otpadnih voda, upravljanje otpadom	Sakupljanje, pročišćavanje i snabdijevanje vodom	Kvaliteta vode	ISO 20595:2018	Water quality - Determination of selected highly volatile organic compounds in water - Method using gas chromatography and mass spectrometry by static headspace technique (HS-GC-MS)	2,75	Ad	24	BAS/TC 7
53.	Opskrba vodom; uklanjanje otpadnih voda, upravljanje otpadom	Sakupljanje, pročišćavanje i snabdijevanje vodom	Kvaliteta vode	ISO/TS 20612:2007	Water quality - Interlaboratory comparisons for proficiency testing of analytical chemistry laboratories	2,75	Ad	25	BAS/TC 7
54.	Vađenje ruda i kamena	Pomoćne djelatnosti za ostalo vađenje ruda i kamena	Sigurnost u rudnicima	EN 60079-20-1:2010	Explosive atmospheres - Part 20-1: Material characteristics for gas and vapour classification - Test methods and data	2,10	AdTr	80	BAS/TC 6
55.	Vađenje ruda i kamena	Pomoćne djelatnosti za ostalo vađenje ruda i kamena	Sigurnost u rudnicima	EN 60079-35-1:2011	Explosive atmospheres - Part 35-1: Caplights for use in mines susceptible to firedamp - General requirements - Construction and testing in relation to the risk of explosion	2,10	AdTr	25	BAS/TC 6
56.	Vađenje ruda i kamena	Pomoćne djelatnosti za ostalo vađenje ruda i kamena	Sigurnost u rudnicima	EN 60079-35-2:2012	Explosive atmospheres - Part 35-2: Caplights for use in mines susceptible to firedamp - Performance and other safety-related matters	2,10	AdTr	17	BAS/TC 6
57.	Prijevoz i skladištenje	Poštanske i kurirske djelatnosti	Poštanske usluge	prEN 14012	Postal services - Quality of service - Complaints handling principles	2,67	Mo	57	BAS/TC 5



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**Strategic Plan for the Adoption of Standards and other  
Standardization Documents  
in Bosnia and Herzegovina  
for the period 2019 – 2021**

## CONTENTS

FOREWORD.....	4
1. INTRODUCTION.....	5
1.1 Standardization .....	5
1.2 Benefits of standards application .....	6
1.3 Basic information on the Strategic Plan for the Adoption of Standards for the period 2019 - 2021 .....	6
2. NATIONAL STANDARDIZATION BODY OF BOSNIA AND HERZEGOVINA – BAS.....	7
3. PURPOSE AND GOAL OF THE STRATEGIC PLAN FOR THE ADOPTION OF STANDARDS AND OTHER STANDARIZATION DOCUMENTS IN BOSNIA AND HERZEGOVINA FOR THE PERIOD 2019-2021 .....	8
4. METHODOLOGY FOR THE DEVELOPMENT OF THE STRATEGIC PLAN FOR THE ADOPTION OF STANDARDS AND OTHER STANDARDIZATION DOCUMENTS IN BOSNIA AND HERZEGOVINA FOR THE PERIOD 2019-2021 .....	8
5.1 Analysis of the prioritized national economic sectors in Bosnia and Herzegovina .....	9
5.2 Analysis of the prioritized non-economic criteria in specific sectors in Bosnia and Herzegovina .....	11
5.3 Preview of the most important development areas .....	15
6. RESULTS OF THE ANALYSIS .....	20
6.1 General .....	20
6.2 Human resources .....	23
6.3 Financial resources .....	28
7. CONCLUSION .....	30
Annex A List of standards planned for adoption in the Strategic Plan for the Adoption of Standards for the period 2019-2021, according to sectors and years of adoption.....	31

## Abbreviations list

Ad	Adoption of standards in English language
AdTr <sup>1</sup>	Adoption of standards by translation method in one of the official languages in Bosnia and Herzegovina
Amd	Amendment
BAS	BiH standard
BAS/TC	Technical Committee for standardization of the Institute
BDP	Gross Domestic Product
BHAS	Agency for Statistics of Bosnia and Herzegovina
CEFTA	Central European Free Trade Agreement
CEN	European Committee for Standardization
CENELEC	European Committee for Electrotechnical Standardization
CIE	International Commission on Illumination
Cor	Corrigendum
DEVCO	International Cooperation and Development
ED	Employees in the Information and Documentation Department
EFTA	European Free Trade Association
EN	European standard designation
ETSI	European Telecommunications Standards Institute
EU	European Union
FprEN	Final Draft European Standard
IEC	International Electrotechnical Commission
Institut	Institute for Standardization of Bosnia and Herzegovina
ISO	International Organization for Standardization
JTC	Joint Technical Committee
Mo	Monitoring the development of the International or European standard
nsBAS	BiH standard draft
pnBAS	BiH standard pre-draft
prBAS	Project of BiH standard
prEN	Pre-draft of European Standard
REMCO	Committee on reference materials
SC	Subcommittee
SMTK	Standard International Trade Classification
STO	World Trade Organization
TBT	Technical Barriers to Trade
TC	Technical Committee
TO	Technical Officer (secretary/coordinator)
TR	Technical Report
TS	Technical Specification

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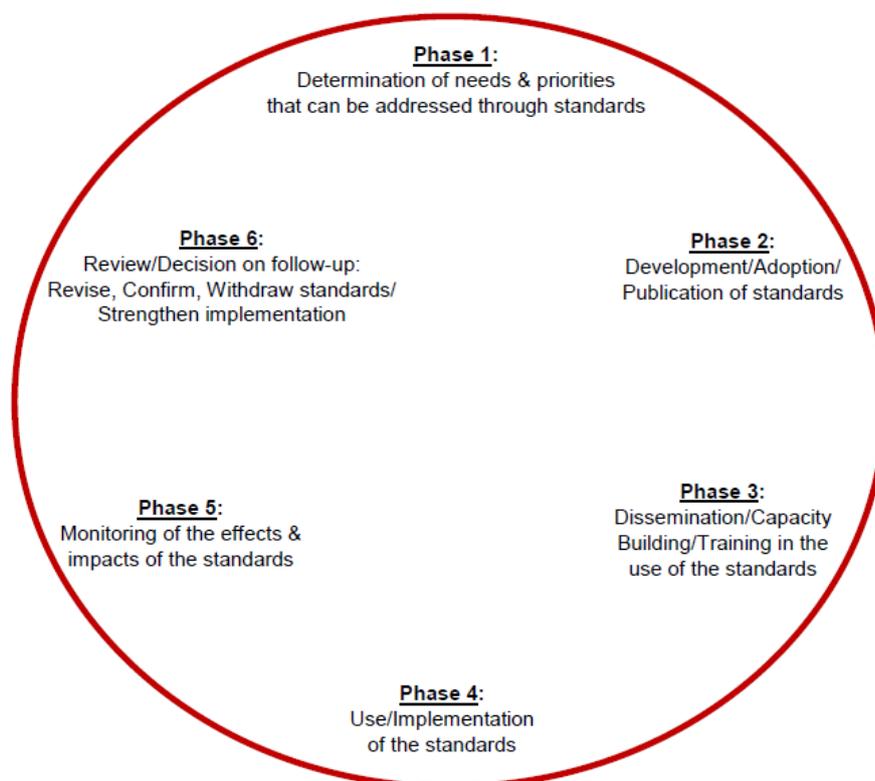
<sup>1</sup> For the purposes of this document, the abbreviation *AdTr* was used instead of *pv*. Namely, the Internal Rules for Standardization of the Institute have defined that the abbreviation for the translation method is *pv*.

## FOREWORD

Institute for Standardization of Bosnia and Herzegovina (hereinafter the Institute), as the national standardization body of the Bosnia and Herzegovina, has developed this document in accordance with the *Developing National Standardization Strategies – Manual, Version 2.1, 2018-01-15*, prepared by the International Organization for Standardization (ISO) on the basis of national priorities, such as economic, non-economic and societal priorities, as well as upon the needs of the stakeholders and obligations arising from the membership in the European and International organizations for standardization.

The purpose of this document is the planning of the adoption and development of BiH standards and other standardization documents (hereinafter standards) for the period 2019 - 2021, in order to fulfill the customer requirements, prevent technical barriers to trade, perceive the activities in the forthcoming period and provide necessary resources, by carrying out the planned activities and the implementation of the adopted standards.

In the mentioned *Developing National Standardization Strategies – Manual* the term „*standardization life cycle*” (Figure 1) was introduced, which includes the whole „standardization cycle” i.e. all 6 phases that include: development, adoption, application and monitoring of standards life cycle, and finally their revision and improvement. This approach enables, in the best possible way, the follow up of stakeholders needs in order to achieve higher standard of living, in each field. Strategic Plan for the Adoption of Standards and other Standardization Documents for the period 2019 - 2021 (hereinafter Strategic Plan) primarily includes phases 1 and 2 of this cycle, in the sense of defining national priorities and needs for standards.



**Figure 1 – „Standardization Cycle”**

According to the Article 7, paragraph 1, line a) of the Law on Standardization of Bosnia and Herzegovina („Official Gazette of BiH”, No. 19/01), this Strategic plan was adopted by the Council for Standardization of BiH, on 23<sup>rd</sup> May 2019 by electronic voting.

# 1. INTRODUCTION

## 1.1 Standardization

Standardization is an activity of establishing, with regard to actual or potential problems, provisions (rules) for common and repeated use, aimed at the achievement of the optimum degree of order in a given context. Standardization activity, in particular, consists of the processes of preparing, formulating and issuing standards and ensuring the implementation of standards.

Standard is a document for common and repeated use, established by consensus and approved by recognized body, that provides rules, guidelines, characteristics of activities and their results aimed at the achievement of the optimum degree of order in a given context. Standards should be based on consolidated results of science, technology and experience and aimed at the promotion of optimum community benefits. Standards and other standardization documents are developed by international or regional organizations for standardization as well as national standardization bodies. National standardization body in Bosnia and Herzegovina is the Institute for Standardization of BiH – BAS.

The aims of BiH national standardization are:

1. enhancement of international trade with prevention and elimination of the barriers resulting from unfounded differences existing when conducting business at national level;
2. increasing the levels of safety, health and life protection and the environmental safety;
3. promotion of a purposeful exploitation of work, material and energy in production processes;
4. improvement of production efficiency along with management of variety, conformity and interchangeability;
5. promotion of quality of products, processes and services, by establishing their characteristics that enables them to fulfil defined requirements, or to serve a defined purpose.

The basic principles of BiH national standardization are:

1. voluntary involvement and contribution of all stakeholders in preparation and adoption of BiH national standards;
2. voluntary implementation and use of BiH national standards;
3. consensus, which means a general agreement of a significant number of stakeholders on the content of the BiH national standard;
4. priority of common over individual interests of stakeholders;
5. transparency of preparatory work and availability of BiH national standards to the public;
6. mutual alignment of BiH national standards;
7. complying with the state of the art achieved and with the rules of international and European standardization.

By applying the principle of voluntary participation of all stakeholders, standards containing rules, requirements, characteristics, instructions, recommendations or guidelines for activities or their results are set out through consensus, in order to achieve optimal level of order in a specific field, related to the existing or possible problems. The role of standards in ensuring the presumption of conformity with the essential requirements of the relevant European technical regulations is extremely important in the process of harmonizing the national with the European legislative system. In addition, standardization contributes to the development and improvement

of production and movement of products, performing the works, i.e. rendering services, improving the quality of products, processes and services, determining their type, compatibility and interchangeability, improving the protection and preservation of life, health and safety of humans, property and environment, as well as improving international trade and preventing and removing unnecessary technical barriers.

## **1.2 Benefits of standards application**

The important standardization benefits are the improvement of the convenience of products, processes and services for the intended purposes, the prevention of barriers in trade, and facilitation of technological cooperation. Standardization helps create sustainability and benefits to all in a global society. For the unhindered and free movement of people, goods, services and capital, it is necessary to provide comparability, which can be achieved by standardization. Countries around the world have accepted the standardization process, understood it as a process of harmonization that is being carried out at all levels and in all areas. The benefits of standards application are multiple, and among others, the following..

Standards:

- ensure that the standards correspond their purpos;
- increase the safety of products and services;
- are the foundation for the improvement of quality of products and service;
- represent the technical basis for the adoption of regulations and support their implementation;
- facilitate the trade between different countries and contribute to the removal of technical barriers to trade;
- reflect the current state of the development of science and technology, and thus represent a road map for developing countries on their way to the global market;
- enable more efficient use of resources in the production process;
- contribute to the preservation of health and protection of the environment.

## **1.3 Basic information on the Strategic Plan for the Adoption of Standards for the period 2019 - 2021**

Full integration of BiH economy into the single market of the European Union (hereinafter EU), which today consists of 28 member countries, represents one of the strategic goals of Bosnia and Herzegovina. The path of Bosnia and Herzegovina towards EU accession and full membership in the World Trade Organization (hereinafter: WTO) implies, in addition to many other activities, the compliance of BiH standards with European (EN) and international standards (ISO, IEC) in order to respect the requirements of the single market.

In this regard, this document primarily contains all the elements from the *Developing National Standardization Strategies – Manual* adopted by ISO, which was prepared and developed in accordance with the Internal rules for Standardization of the Institute, that is harmonized with European and international rules.

This mid-term strategic plan for the adoption of national standards should be understood as an invitation to all stakeholders to contribute to its consistent implementation and continuous development.

## 2. NATIONAL STANDARDIZATION BODY OF BOSNIA AND HERZEGOVINA – BAS

### 2.1 General information

According to the Law on Standardization of Bosnia and Herzegovina („Official Gazette of BiH“ No. 19/01) and the Law on the Establishment of the Institute for Standardization of Bosnia and Herzegovina („Official Gazette of BiH“ No. 44/04), the Institute is an independent state administrative organization and the only national standardization body in Bosnia and Herzegovina that represents BiH in international and European organizations for standardization.

The Institute is a full member of the International Organization for Standardization (ISO) since 1997, European Telecommunication Standards Institute (ETSI) since 1997, affiliate member of : International Electrotechnical Commission (IEC) since 1997, European Committee for Electrotechnical Standardization (CENELEC) since 1997 and European Committee for Standardization (CEN) since 2008.

One of the strategic goals of the Institute for Standardization of BiH is a full membership in European organizations for standardization CEN and CENELEC. In accordance with the *CEN/CENELEC Internal Regulations - Part 1: Organization and structure*, the Institute is actively working in fulfilling requirements for full membership in CEN and CENELEC. The Institute has adopted 86,68 %<sup>2</sup> of all European standards, and in its work and activities applies and abides by all guidelines published by the European and International organizations for standardization.

All the activities of the Institute are performed in order to fulfill the Institute's mission and vision, given below:

**Mission of the Institute** is to lead, maintain and improve the standardization system in BiH by representing the interests of all stakeholders in the field of standardization, respecting the requirements and recommendations of European and international organizations for standardization in order to establish and maintain an efficient BiH standardization system.

**Vision of the Institute** is to be a European institution of national importance, recognizable at the BiH and global level, which offers and enables the use of standards, services and high quality solutions.

The mid-term goal of the Institute for Standardization of BiH is: to improve the quality infrastructure system in accordance with the EU legislation and good EU practice, more efficient regulation of the market in order to ensure the free movement of goods and services and the market fair competition. By pursuing activities within its competence, the Institute aims to raise the reputation of BiH standardization; and the level of awareness of the BiH public about the importance and role of standards and standardization in general. The Institute's goals are also to improve and develop BiH standardization in order to fulfill the requirements for full-time membership in European organizations for standardization CEN and CENELEC; the inclusion of BiH experts in the active work of international and European standardization working bodies for activities of relevance for Bosnia and Herzegovina; and the improvement of information activities on standards and technical regulations in order to better inform all stakeholders both inside and outside Bosnia and Herzegovina.

### 2.2 BAS activities

In the field of standardization:

propose standardization strategy in Bosnia and Herzegovina, prepare and publish BiH standards, represent Bosnia and Herzegovina in international and European organizations for

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<sup>2</sup> *CEN/CENELEC Quarterly report on the national implementation of European standards (harmonized and non-harmonized) - The first quarter of 2019*

standardization, and perform tasks arising from international treaties and membership in these organizations, participate in the preparation of technical regulations, develop and establish an information system on standards and other related documents, promulgate BiH standards, organize and conduct specialized training of personnel in the field of standardization, engage in publishing activity in the field of standardization.

In the field of conformity assessment:

participate in establishing and maintaining a system of certification and homologation in accordance with the European model. Represent Bosnia and Herzegovina in European and international organizations for conformity assessment (EOTC and EUROLAB, etc) until establishment of association for testing and association of calibration laboratories, and organize education in the area of conformity assessment.

### **3. PURPOSE AND GOAL OF THE STRATEGIC PLAN FOR THE ADOPTION OF STANDARDS AND OTHER STANDARDIZATION DOCUMENTS IN BOSNIA AND HERZEGOVINA FOR THE PERIOD 2019-2021**

The main purpose for the development of the Strategic Plan is to establish relationship, as close as possible, between the development and adoption of BiH standards and other standardization documents, on one hand, and social priorities, and other national priorities, on the other. The Strategic Plan contains the list of standards that need to be adopted over a three-year period. Particular emphasis is focused on the involvement of all stakeholders in Bosnia and Herzegovina on providing proposals for the adoption of standards, monitoring and analyzing the needs of stakeholders, as well as the analysis of economic data. These standards are indispensable to the users for their successful work, monitoring of the technology development and market competition. National standardization body of Bosnia and Herzegovina, the Institute, is responsible for the drafting of this Strategic Plan.

The Strategic Plan also identifies areas where standards are not represented, and are necessary to support various activities in terms of increasing efficiency in these areas and fostering development and growth. In this way, the Strategic plan aims to identify the standards needed to increase gross domestic product (GDP), exports, relevant non-economic (social) issues, and anticipated future needs of stakeholders.

Also, the goal of this Strategic Plan is to serve as a mean to fulfill the mission and vision of the Institute.

### **4. METHODOLOGY FOR THE DEVELOPMENT OF THE STRATEGIC PLAN FOR THE ADOPTION OF STANDARDS AND OTHER STANDARDIZATION DOCUMENTS IN BOSNIA AND HERZEGOVINA FOR THE PERIOD 2019-2021**

During the development of the Strategic Plan, two key aspects were taken into account.

As an affiliate member of the European Organizations for Standardization (CEN, CENELEC), and a full member of the European Telecommunications Standards Institute (ETSI) the Institute is required to adopt all European standards into the BiH standardization system and to withdraw standards that are conflicting with European standards. Also, as an affiliate member of European Organizations for Standardization (CEN and CENELEC) the Institute is obliged to adopt all European standards into the BiH standardization system for those European Technical Committees in which the Institute serves as an observer (91 European standardization committees, namely 74 CEN/TCs and 12 CLC/TCs).

If the relevant European standards are not published in specific areas of standardization for certain subjects or they are not envisaged in the European organizations for standardization plans for adoption, at the request of stakeholders, the adoption of BiH standards based on the

relevant international (ISO, IEC) standards, is planned. This especially applies to the IT area, that is in the scope of work of the Joint Technical Committee for IT, ISO/IEC JTC 1. If the relevant European and international standards are not published in specific areas of standardization for certain subjects or they are not envisaged in their plans for adoption, the project for the development of the original BiH standards is launched, during which the rules of the European organizations for standardization, relevant articles of WTO TBT Agreement, Directive 98/34/EC, as well as internal rules for standardization, procedures and guides of the Institute will be obeyed.

In December 2018, the Institute invited the Institutions of Bosnia and Herzegovina, the Federation of BiH, the Republic of Srpska, the Brčko District as well as private and public companies from all over Bosnia and Herzegovina (total of 1395) to present their needs for European, international or original BiH standards, which the Institute would adopt into the BiH standardization system or develop in the next three-year period. 25 stakeholders, such as: government authorities in Bosnia and Herzegovina at all levels, manufacturing companies, service companies, faculties, certification companies and professional associations have replied to the invitation. Among Institutions that comprise the quality infrastructure in Bosnia and Herzegovina, the BiH Institute of Metrology and the Market Surveillance Agency of BiH submitted their proposal. The total number of the proposed projects is slightly more than 170 (164 proposed standards and 8 areas in which the adoption of standards is proposed).

All proposals were analyzed, and the inadequate ones were omitted. Inadequate proposals are all those received requests for the adoption of standards that are conflicting with the European standards, then those that have already been adopted as BiH standards, or where the subject of standardization that was not well-specified, and the stakeholder did not provide an explanation regarding the additional request for clarification.

## **5. CRITERIA FOR THE DEVELOPMENT OF THE STRATEGIC PLAN FOR THE ADOPTION OF STANDARDS AND OTHER STANDARDIZATION DOCUMENTS FOR THE PERIOD 2019-2021**

According to the Manual for the Development of National Standardization Strategies adopted by ISO, the analysis and comparison of standardization priority sectors were carried out in Bosnia and Herzegovina, and afterwards the obtained information were compared with the requests received from stakeholders.

Using this methodology, three categories of standardization priorities have been considered:

5.1 Economic priorities (analyzed on the basis of the share in GDP, export and import)

5.2 Noneconomic priorities (analyzed on the basis of the life quality)

5.3 Priority fields of development in Bosnia and Herzegovina (analyzed on the basis of development strategies of the government, Entities' government and ministries).

### **5.1 Analysis of the prioritized national economic sectors in Bosnia and Herzegovina**

During the development of the Strategic Plan, economic factors were primarily considered, using the official statistics of the Agency for Statistics of Bosnia and Herzegovina for 2017 for individual share in GDP. Information for the 21 economic sectors are classified, and after that they have been ranked according to the following criteria:

Rank 1	>10%	GDP/export/import
Rank 2	5 - 10%	GDP/export/import
Rank 3	1 - 5%	GDP/export/import
Rank 4	0,2 - 1%	GDP/export/import
Rank 5	< 0,2%	GDP/export/import

In addition, they are considered and classified according to the same criteria and in the same way the rank is assigned to the economic sectors that have a significant share in export and import for 2017. The above information are shown in Tables 1, 2 and 3, as follows: Table 1 - Economic sectors in Bosnia and Herzegovina classified according to their share in GDP, Table 2 - Economic sectors in Bosnia and Herzegovina classified according to their share in export and Table 3 - Economic sectors in Bosnia and Herzegovina are classified according to their share in import. The official information of the Agency for Statistics of Bosnia and Herzegovina (<http://www.bhas.gov.ba>) was used for the preparation of the above tables.

**Table 1 – Economic sectors in the Bosnia and Herzegovina classified according to the contribution to GDP<sup>3</sup>**

Economic sector	Percentage contribution to GDP % (Total 85,15)	Rank
Wholesale and retail trade; repair of motor vehicles and motorcycles	13,9%	1
Manufacturing	13,1%	1
Public administration and defence, compulsory social security	7,8%	2
Agriculture, forestry and fishing	5,6%	2
Real estate activities	5,1%	2
Human health and social work activities	4,5%	3
Information and communication	4,2%	3
Education	4,2%	3
Construction	4,0%	3
Financial and insurance activities	3,9%	3
Transportation and storage	3,8%	3
Electricity, gas, steam and air conditioning supply	3,7%	3
Professional, scientific and technical activities	2,7%	3
Accommodation and food service activities	2,1%	3
Mining and quarrying	1,95%	3
Arts, entertainment and recreation	1,5%	3
Water supply; sewerage, waste management and remediation activities	1,1%	3
Other service activities	1,1%	3
Administrative and support service activities	0,9%	4
Activities of households as employers	-	-
Activities of extraterritorial organisations and bodies	-	-

<sup>3</sup> [Gross domestic product of Bosnia and Herzegovina 2017 - Production approach, First results](#); 20.7.2018, page 3

**Table 2 – Economic sectors in the Bosnia and Herzegovina classified according to contribution in Export<sup>4</sup>**

Economic sector	Percentage contribution to import in 2017 (Value in % USD Million)	Rank
Miscellaneous manufactured articles	27,0%	1
Manufactured goods classified by material	22,4%	1
Machinery and transport equipment	14,4%	1
Crude materials, except fuels	10,6%	1
Mineral fuels and lubricants	8,4%	2
Chemicals	8,1%	2
Food and live animals	6,6%	2
Animal and vegetable oils and fats	1,5%	3
Beverages and tobacco	0,8%	4
Commodities and transactions, n.e.c	0,0%	5

**Table 3 – Economic sectors in the Bosnia and Herzegovina classified according to contribution in Import<sup>5</sup>**

Economic sector	Percentage Contribution to import in 2017 (Value in % USD Million)	Rank
Manufactured goods classified chiefly by material	23,3%	1
Machinery and transport equipment	20,7%	1
Mineral fuels and lubricants	14,3%	1
Food and live animals	13,0%	1
Chemicals	12,5%	1
Miscellaneous manufactured articles	9,7%	2
Crude materials, except fuels	3,0%	3
Beverages and tobacco	2,2%	3
Animal and vegetable oils and fats	1,3%	3
Commodities and transactions, n.e.c	0,0%	5

## 5.2 Analysis of the prioritized non-economic criteria in specific sectors in Bosnia and Herzegovina

In the past, it was considered that the standards play a crucial role in supporting the economic development of the country, and lately the emphasis is placed on non-economic criteria and one of the most important non-economic criteria is a sustainable development. Sustainable development is oriented towards the development of models that satisfy the socio-economic

<sup>4</sup> [Economic statistics - BiH foreign trade statistics, January-December 2017, Export and Import by sectors and SITC divisions](#); 2018-01-21, pages 14-16

<sup>5</sup> [Economic statistics –BiH foreign trade statistics, January-December 2017, Export and Import by sectors and SITC divisions](#); 2018-01-21, pages 14-16

needs and interests of citizens in a qualitative manner, as well as the security aspects of society as a whole, while at the same time eliminating or significantly reducing the impacts that threaten or damage the environment and natural resources. The sustainable development long-term concept implies continuous economic growth that beside economic efficiency and technological advancement enables greater participation of cleaner technologies and innovation of the whole society and corporate social responsibility, ensures poverty reduction and increased safety of society and workers, long-term better use of resources, improvement of health conditions and quality of life, reduction of pollution levels to the level they can endure environmental factors, as well as preventing future pollution and preserving biodiversity. Aid in achieving these goals can be provided by standards.

The life quality analysis usually includes the following areas:

- Political and society environment (political stability, crime rate, the rule of law..),
- Economic environment (stability of economy, banking services..),
- Social and cultural environment (censorship, restrictions on personal freedom ...),
- Health and sanitary environment (availability of medical services and drugs, infective diseases, sewage system, waste, air pollution ...),
- Schools and education (standard of schools, availability of schools ...),
- Public services and transport (electricity, water, public transport, traffic jam... ),
- Leisure ( restaurants, theaters, cinemas, sport...),
- Natural environment ( climate, history of natural disasters...).

In order to be in accordance with the needs of the society in the sustainable development segment, the Strategy supports and promotes the sustainable development of BiH. The BiH Directorate for Economic Planning implements sustainable development goals from the *Agenda for Sustainable Development 2030 (SDG)* in cooperation with all relevant institutions. In this regard, recently published media broadcasts (articles, TV shows) have been analyzed, dealing with non-economic issues that have caused public concern. These issues will be significant in BiH future development.

The results in Table 4 shows non-economic priorities in different sectors and areas. Ranking related to non-economic priorities and classification in the appropriate category was realised according to the following criteria:

Rank 1 – Very serious problem, swift respond, public outcry

Rank 2 – Serious problem, common occurrence, media attention

Rank 3 – Serious problem, occasional media reports

Rank 4 – Problem is localized, no media reaction

Rank 5 – Other issues

**Table 4 – Non-economic priorities in different sectors and areas**

Non-economic priorit	Situation including problem and time	Rank
Security of people and property	Frequent accidents caused by the use of gas tanks and electrical fires caused by faults and failures on electrical components and installations are very serious and require an urgent solution of this problem. Applying appropriate standards helps to preserve the safety and health of people.	1

Non-economic priorit	Situation including problem and time	Rank
Road traffic safety	Frequent traffic accidents with a significant number of fatalities and injuries and the fact that 17 years is an average age of vehicles in Bosnia and Herzegovina is a very serious problem and require urgent solution. Applying appropriate standards helps to preserve the safety and health of people. <a href="https://jpdcfbh.ba/bs/aktivnosti/sigurnost-prometa/20">https://jpdcfbh.ba/bs/aktivnosti/sigurnost-prometa/20</a> <a href="http://jpcfbi.ba/assets/upload/dokumenti-o-sigurnosti/strategija_sigurnosti_saobracaja.pdf">http://jpcfbi.ba/assets/upload/dokumenti-o-sigurnosti/strategija_sigurnosti_saobracaja.pdf</a> <a href="http://ba.n1info.com/Vijesti/a241364/Na-cestama-BiH-u-2017.-poginulo-295-osoba.html">http://ba.n1info.com/Vijesti/a241364/Na-cestama-BiH-u-2017.-poginulo-295-osoba.html</a> <a href="https://www.oslobodjenje.ba/vijesti/bih/video-povecajmo-sigurnost-ucenika-u-saobracaju-a-pogotovo-djece-392504">https://www.oslobodjenje.ba/vijesti/bih/video-povecajmo-sigurnost-ucenika-u-saobracaju-a-pogotovo-djece-392504</a> (media report)	1
Human health	An increasing number of people with cardiovascular problems, stroke and obesity are a serious problem, and the entity health ministries are planing activities to raise awareness of the importance of healthy eating habits of the population in order to improve health conditions. <a href="http://www.fmoh.gov.ba/index.php/zakoni-i-strategije/strategije-i-politike/53-strateski-plan-razvoja-zdravstva-u-fbih">http://www.fmoh.gov.ba/index.php/zakoni-i-strategije/strategije-i-politike/53-strateski-plan-razvoja-zdravstva-u-fbih</a>	1
Safety at Work	Frequent job injuries resulting in an increasing number of incidents with fatal or severe consequences for employees are serious problem and require an urgent solution. Applying appropriate standards helps to preserve the safety and health of people. <a href="http://biznis.ba/ocajna-zastita-gradjevinara-na-radu-u-bih-u-primjeni-pravilnici-od-prije-28-i-50-godina/">http://biznis.ba/ocajna-zastita-gradjevinara-na-radu-u-bih-u-primjeni-pravilnici-od-prije-28-i-50-godina/</a> (media report)	2
Increase in employment	A knowledge-based developing society in the coming period will enable the development of sophisticated technologies, resulting in increased employment, primarily in the following sectors: metalworking, electrical industry, wood industry, food industry, information technology and construction.	2
Importance of environmental protection	Applying appropriate environmental as well as other standards will ensure that many companies can use new technologies in different industries. This will satisfy the ecological criteria, which is very important for today's and future development. <a href="https://www.radiosarajevo.ba/vijesti/bosna-i-hercegovina/sarajlije-se-guse-i-danas/316102">https://www.radiosarajevo.ba/vijesti/bosna-i-hercegovina/sarajlije-se-guse-i-danas/316102</a> (medijski izvještaj)	2
Responding to emergency situations	Preventing emergency situations and the importance of preparing citizens for an adequate response in such situations is extremely important in order to avoid human casualties like in major floods in the central and northern part of Bosnia and Herzegovina in May 2014.	2
Education	Investing in education and training people, i.e. investing in people, human potentials is crucial for the development of a knowledge-based society.	3

Non-economic priorit	Situation including problem and time	Rank
Information security	Information security refers to the security risks associated with the use of information and communication technologies, including security of data, devices, information systems, networks, organizations and individuals. High-tech crime is the type of crime that has recorded the highest increase, and a large number of people, including children, are daily victims of the attacks. Hacker attacks on information systems can seriously jeopardize the company's operations, the functioning of state infrastructure and national security, while individuals, and above all children, are increasingly exposed to the risk of fraud, blackmail and abuse via the Internet.	3

### 5.3 Preview of the most important development areas

Preview of the most important development areas in the Bosnia and Herzegovina is given below in Table 5. The most important parts from certain strategies of governments and ministries at the state and entity level in BiH have been taken over, as an indicator of the impact on the economy development in Bosnia and Herzegovina.

Ranking based on national strategie:

Rank 1 – Great importance in near future

Rank 2 – Great importance, if conditions apply

Rank 3 – Some importance in medium term

Rank 4 – Some importance in long term u

Rank 5 – No importance expected

**Table 5 – The most important development areas according to the national development strategies of Bosnia and Herzegovina**

Development priorities	Importance	Rank
<p><b>Energetics</b></p>	<p>In the field of energetics, on 30.08.2018 the BiH Council of Ministers adopted the Framework Energy Strategy of Bosnia and Herzegovina until 2035, based on the Framework Energy Strategy of the Republic of Srpska, Federation of Bosnia and Herzegovina and Brčko District.</p> <p>This document aims to create:</p> <ul style="list-style-type: none"> <li>• Strategic analysis of the current situation in the energy market,</li> <li>• Update of the existing energy strategy of the Republic of Srpska through the RS Framework Energy Strategy,</li> <li>• Energy Strategy of the Federation of Bosnia and Herzegovina through the FBiH Framework Energy Strategy,</li> <li>• Energy Strategy of the Brčko District through the Energy Framework Strategy of BiH,</li> <li>• Methodological harmonization of the entity documents</li> </ul> <p>BiH has a comparative advantage in the energy sector, especially in the field of hydro power, as well as a great long-term development potential. BiH is the only country in the Western Balkans region that exports net electricity.</p> <p>The strategic goal of developing energy potentials, particularly renewable energy sources and increasing energy efficiency, will be realized through the contribution of the BiH Council of Ministers and by fulfilling the mid-term goals:</p> <ol style="list-style-type: none"> <li>1. Improvement and harmonization of the legal framework in the energy sector with the EU Acquis</li> <li>2. Contributing to the development of the regional electricity and gas market that will be aligned with the transposed EU directives</li> </ol> <p>The Institute for Standardization of BiH is promptly adopting European and international standards in this field.</p> <p><a href="http://www.vijeceministara.gov.ba/akti/prijedlozi_zakona/default.aspx?id=29118&amp;langTag=bs-BA">http://www.vijeceministara.gov.ba/akti/prijedlozi_zakona/default.aspx?id=29118&amp;langTag=bs-BA</a>  <a href="http://www.fbihvlada.gov.ba/file/20170606%20Okvirna%20energetska%20strategija%20FBiH_Radna%20verzija_v2.pdf">http://www.fbihvlada.gov.ba/file/20170606%20Okvirna%20energetska%20strategija%20FBiH_Radna%20verzija_v2.pdf</a>  <a href="http://www.vladars.net/sr-SP-Cyrl/Vlada/Ministarstva/mper/Documents/Energetska%20strategija%20Republike%20Srpske%20do%202035%20finalni%20nacrt_373822299.docx">http://www.vladars.net/sr-SP-Cyrl/Vlada/Ministarstva/mper/Documents/Energetska%20strategija%20Republike%20Srpske%20do%202035%20finalni%20nacrt_373822299.docx</a></p>	<p>1</p>

Development priorities	Importance	Rank
<b>Tourism</b>	<p>Bosnia and Herzegovina has a diverse and preserved natural and cultural tourism potential, which is a great asset that has to be preserved and protected in order to contribute to the development of tourism in the long term. The advantages that Bosnia and Herzegovina has in the development of tourism are, above all, untouched nature, richness in rivers and thermal waters, rich cultural and historical heritage and numerous shrines, which represent the potential for the development of various forms of tourism that provide BiH with added value in creating a specific tourist product aiming to improve the quality of the tourist offer. This will enable increased competitiveness of tourism in BiH on global markets of tourism demand and capital investments.</p> <p>In that connection, the tourism sector in Bosnia and Herzegovina has a high potential that needs to be further exploited.</p> <p><a href="http://www.fmoit.gov.ba/ba/page/26/turizam-u-fbih">http://www.fmoit.gov.ba/ba/page/26/turizam-u-fbih</a>  <a href="#">Strategija razvoja turizma Republike Srpske za period 2011.-2020. godine</a></p>	1
<b>Transport</b>	<p>Transport infrastructure is an important segment of economic development, creating a competitive business environment as well as balanced regional development and represents an important platform for sustainable development of the country. Developed transport system facilitates and encourages the mobility of people and goods and, by reducing traffic isolation, enables productivity growth and creates the preconditions for balanced regional development.</p> <p>Framework Transport Strategy of BiH 2015-2030 details the implementation of transport policy.</p> <p>Within the work program of the Council of Ministers in the next three years, the goal is to create conditions for the establishment of better quality, more efficient, more secure and more modern transport and communication systems in Bosnia and Herzegovina.</p> <p><a href="http://www.mkt.gov.ba/aktivnosti/default.aspx?id=5029&amp;langTag=bs-BA">http://www.mkt.gov.ba/aktivnosti/default.aspx?id=5029&amp;langTag=bs-BA</a>  <a href="#">Srednjoročni program rada Vijeća ministara BiH 2019-2021</a></p>	1

Development priorities	Importance	Rank
<p><b>Agriculture</b></p>	<p>The Ministry of Foreign Trade and Economic Relations (MVTEO) coordinated the preparation of the Strategic Plan for Rural Development of BiH (Strategic Plan) for the period 2018-2021. The Strategic Plan was prepared in cooperation with the Federal Ministry of Agriculture, Water Management and Forestry (FMPŠV), the Ministry of Agriculture, Forestry and Water Management of Republika Srpska (MPŠV RS) and the Department for Agriculture, Forestry and Water Management of Brčko District of BiH (OPŠV BD BiH).</p> <p>In the upcoming period agriculture in BiH faces an important priority to create agrarian policy and introduce instruments that will enable the dynamic restructuring of the agricultural sector, modernization and at the same time efficient approximation to EU through the gradual alignment of policy with the principles of the Common Agricultural Policy of the European Union. For the purpose of faster and more efficient development of agriculture and rural development in the Work Program of the Council of Ministers in the next three years, the objectives are to:</p> <ol style="list-style-type: none"> <li>1. Ensure the development and integration of agriculture, food, forestry and rural development of BiH into the European and global market</li> <li>2. Improve the system for protection of human, animal and plant health by establishing an effective system of food safety, veterinary control and phytosanitary in BiH.</li> </ol> <p>The Agency for Food Safety of BiH, the Veterinary Office of BiH and the Administration of BiH for Plant Health Protection will assist in the implementation of these goals within their work programs.</p> <p><a href="http://www.mvteo.gov.ba/data/Home/Dokumenti/Poljoprivreda/BOS_SPRR_2_018-2021_-_korekcija.pdf">http://www.mvteo.gov.ba/data/Home/Dokumenti/Poljoprivreda/BOS_SPRR_2_018-2021 - korekcija.pdf</a>  <a href="https://www.fsa.gov.ba/">https://www.fsa.gov.ba/</a>  <a href="http://www.vet.gov.ba/">http://www.vet.gov.ba/</a></p>	<p>2</p>

Development priorities	Importance	Rank
Industry	<p><b>The metal and electronic</b> sectors are among the largest export sectors in Bosnia and Herzegovina. Metal products have significant development potential, but still the export of low value added products is at the forefront. For further growth of the metal sector and its full competitiveness, investments are needed, whether it is direct investment, long-term investment loans or other appropriate funding sources. Bearing in mind the fact that the metal and electronic sector of the Federation of BiH employs a large number of workers and is experiencing steady growth, the further development of this sector will result in new employment, increased export and GDP growth, which will ultimately result in the development of the Federation of Bosnia and Herzegovina BiH..</p> <p><b>The manufacture of wood</b> together with the forestry sector represents the great economic potential of the Federation of BiH and a great development opportunity. The wood industry is one of the most promising industries in Bosnia and Herzegovina and the exports made are mainly a result of the extraordinary efforts of domestic companies. In first four months of 2018, exports are 2% higher than in the same period of 2017. Exports of wood products industry accounted for 56%, while exports of furniture and prefabricated houses accounted for 43.7%. The above mentioned data show an increased share of exports of final wood products, in particular furniture in total exports, and reduced share of forestry and sawnwood products in 2017 and first four months of 2018.  <a href="http://komorabih.ba/odrzan-v-sastanak-skupstine-asocijacije-drvne-industrije-i-sumarstva-vanjskotrgovinske-komore-bih/">http://komorabih.ba/odrzan-v-sastanak-skupstine-asocijacije-drvne-industrije-i-sumarstva-vanjskotrgovinske-komore-bih/</a></p> <p><b>The textile, clothing, leather and footwear</b> sectors are significant production branches in BiH, that are import-dependent and export-oriented. Bosnia and Herzegovina has a long tradition of manufacturing textiles, clothing, leather and footwear. The social aspect of this industry branch is remarkable because it employs a large number of lower-skilled workers, mostly women's labor force, where the cost of that labor is lower than in other branches of manufacturing industry and with a large share of unfavorable Lohn (finishing) jobs. The coverage rate of imports by the exports of textiles, clothing, leather and footwear industry in the first 6 months of 2017 was 73.32% and in 2018 it was up to 77.29%. The most important partner countries in export are still European Union, CEFTA and EFTA countries. This industry branch needs to receive more adequate attention and significance than it has now, aiming to improve the working conditions of companies as well as creating the competitive advantage of domestic companies in foreign trade.  <a href="http://komorabih.ba/odrzana-prosirena-sjednica-odbora-asocijacije-tekstila-odjece-koze-i-obuce-bosne-i-hercegovine/">http://komorabih.ba/odrzana-prosirena-sjednica-odbora-asocijacije-tekstila-odjece-koze-i-obuce-bosne-i-hercegovine/</a></p> <p><b>The construction products sector</b>, which is closely related to civil engineering, is also an important branch of production in Bosnia and Herzegovina. Bearing in mind that BiH possesses natural resources such as special non-metallic raw materials (limestones, stalks, dolomites, magmatic rocks, clay and gypsum), which have their significant use in the construction industry or the building materials industry. These sources are the foundation and the encouragement of the development of building materials industry in Bosnia and Herzegovina.</p> <p><b>The food and tobacco industry</b>, which is closely related to agriculture, is also an important branch of production in Bosnia and Herzegovina. The most significant advantage of this sector is the potential for an excellent raw material base, because a good part of BiH territory covers fertile agricultural land, and its development is favored by good climatic conditions. Also, BiH has adequate production capacities in the food industry for production of milk and dairy products, fruits and vegetables, and processed fruits and vegetables, fresh meat and meat products, as well as milling and bakery and confectionery products. This sector contributes significantly to the overall export balance and also employs a significant number of workers.</p> <p><a href="#">Strategija i politika razvoja industrije republike srpske za period 2016–2020.godina</a></p>	2

Development priorities	Importance	Rank
<b>Environment</b>	<p>Given that Bosnia and Herzegovina faces numerous environmental issues, it is particularly worth emphasizing the underdeveloped capacities as well as many socio-economic and institutional problems. Long-term environmental protection at the national level will ensure the inclusion of requirements, needs and environmental goals in the planning and development documents of all sectors that are sources of environmental pressure.</p> <p>Bearing in mind that Bosnia and Herzegovina has committed itself to the process of stabilization and accession to the European Union, and that the Environment sector is one of the high-ranking priorities of the European Union, the Environmental Protection Strategies of FBiH and RS are the documents that will have one of the key roles in this journey.</p> <p><a href="http://www.mvteo.gov.ba/Content/Read/vodni-resursi-zastita-okoline-strateski-dokumenti">http://www.mvteo.gov.ba/Content/Read/vodni-resursi-zastita-okoline-strateski-dokumenti</a></p>	3

## **6. RESULTS OF THE ANALYSIS**

### **6.1 General**

The goal of all stakeholders implementing standards, regardless of which sector they belong to, is the application of modern technologies, ensuring the safety and quality of products and services, achieving competitiveness on the local and international market and attracting investment. In this regard, the obligation and desire of the national standardization body is to utilize all available resources in order to meet the needs of all standards users to the greatest possible extent, with the aim of improving and advancement of business in Bosnia and Herzegovina.

Based on the detailed comparative analysis of the priority economy sectors and non-economic criteria in Bosnia and Herzegovina, as well as the most important areas in the development and expressed needs of stakeholders, a list of priority standards has been created, whose development, adoption and publication will be carried out over a period of three years.

Annex A of this document provides a detailed list of standards that will be adopted over a period of three years. Also, in the continuation of the text, Table 6 shows the preview of selected priority sectors and related areas of standardization as determined by comparing expressed needs, as well as their overall ranking. Stakeholders who proposed the adoption of standards were also listed, as well as Technical Committees of the Institute responsible for the adoption of standards from specific areas.

This list of priority areas of standardization is designed to recognize the needs and interests of stakeholders in Bosnia and Herzegovina.

It should be noted that in addition to the analysis carried out on this occasion for the needs of the three-year Strategic Plan and standards resulting from this analysis, the Institute regularly and actively follows the global and European trends, as well as the needs of BiH market.

**Table 6 – Table of prioritized standardization fields according to sectors**

Sector	Field	Final rank (Socio-economic parameters and stakeholder requests)	Stakeholders	Responsible Technical Committee of the Institute
Human health and social work activities	Human health activities	1,75	Vatrosistemi d.o.o. Sarajevo Institute for Metrology of BiH Republic Administration for Inspection Activities Market Surveillance Agency of Bosnia and Herzegovina	BAS/TC 14 BAS/TC 25 BAS/TC 54
Information and communication	Information service activities	2,00	Republic Administration for Geodetic and Property Legal Affairs Institute for System Certification d.o.o. Sarajevo	BAS/TC 1
	Telecommunications	2,94	Institute for Metrology of BiH Communications Regulatory Agency of BIH	BAS/TC 5
Public administration and defence, compulsory social security	Public administration and defence, compulsory social security	2,25	Republic Administration for Geodetic and Property Legal Affairs	BAS/TC 59
Manufacturing	Manufacture of other primary steel products	2,20	Širbegović inženjering Srebrenik	BAS/TC 4
	Manufacture of concrete, cement and plaster	2,20	Širbegović inženjering Srebrenik	BAS/TC 21
	Manufacture of other special purpose machinery	1,20	Faculty of Mechanical Engineering Sarajevo	BAS/TC 51
	Manufacture of coke and refined petroleum products	2,25	Sistem Qualita,S d.o.o. Pale	BAS/TC 11
Transportation and storage	Land transport and pipeline transport	3,00	Ministry of Transport and Communications of RS - Railways of the Republic of Srpska	BAS/TC 46
	Postal and courier activities	2,67	Agency for postal traffic of BiH	BAS/TC 5

Sector	Field	Final rank (Socio-economic parameters and stakeholder requests)	Stakeholders	Responsible Technical Committee of the Institute
Electricity, gas, steam and air conditioning supply	Production, transmission and distribution of electricity	1,70	Elektroprenos BiH a.d. Banja Luka Institute for Metrology of BiH	BAS/TC 53 BAS/TC 19
Water supply; sewerage, waste management and remediation activities	Collecting, purifying and supplying water	2,75	Agency for the Water Area of Adriatic sea Mostar	BAS/TC 7
Professional, scientific and technical activities	Architectural and engineering activities; technical examination and analysis	2,63	Širbegović inžinjering Srebrenik Vatrosistemi d.o.o. Sarajevo	BAS/TC 7 BAS/TC 13 BAS/TC 14 BAS/TC 36 BAS/TC 61
	Technical testing and analysis	2,00	Institute for Metrology of BiH	BAS/TC 38
	Other professional, scientific and technical activities	2,75	Vatrosistemi d.o.o. Sarajevo	BAS/TC 7
	Management activities	2,50	Republic Administration for Geodetic and Property Legal Affairs Institute for System Certification d.o.o. Sarajevo Anti-Corruption and Quality Control Office of the Sarajevo Canton	BAS/TC 3 BAS/TC 55
Mining and quarrying	Support activities for other mining and quarrying	2,10	Association for anti-explosion protection and safety of work and environment - Atex Tuzla	BAS/TC 6 BAS/TC 30

## 6.2 Human resources

In calculating the necessary human resources for the implementation of this Strategic Plan, the methodology that was used was given in the Guide. This methodology is not uniquely applied, because the Institute needs to adopt standards in ways that differ to a certain extent in relation to those listed in the Guide. Namely, in addition to adoption (*Ad*) and monitoring the development (*Mo*) of international/European standards in English, the assessment was also given for the adoption of standards in one of the official languages in Bosnia and Herzegovina (*AdTr*).

Only the estimate of the required human resources belonging to the Institute is taken into account for the calculation, i.e. only employees of the Institute are considered.

As far as external experts are concerned, financial resources for the active participation of BiH experts in the development of European and international standards are continuously provided by the organizations that delegated experts in different fields or by sponsorship through the Institute. At present, 6 BiH experts, in total, actively participate in the work of the following international and European technical working bodies: ISO/TC 34/SC 12 (*P-member*), ISO/TC 210 (*O-member*), ISO/REMCO (*O-member*), ISO/IEC JTC 1 (*O-member*), IEC/TC 62A (*O-member*), CEN/TC 127 (*O-member*) i CEN/TC 138 (*O-member*).

When submitting proposals for the drafting of this document, stakeholders did not express their interest in active participation in its realization.

In the continuation of the text, in tables 7 to 11, presentation was given of the calculation of the necessary human resources for the realization of the requirements listed in Annex A, according to the method of the adoption of a specific standard (adoption in English language – *Ad*, adoption in one of the official languages in BiH – *AdTr*, and monitoring the development of an European or international standard – *Mo*). Human resources necessary for the translation of standards were not taken into account in these calculations. According to the cumulative calculation, presented in tables 12 and 13, it can be concluded that, for the realization of the Strategic Plan, over the three-year period, the need for the human resources is the following:

- 827,28 persons/days for TO (standardization officer<sup>6</sup>) and
- 296,94 osoba/dana za lektorisanje i tehničko uređivanje teksta.

According to the calculations, the Institute has 6930 persons/days for TO, and 1260 persons/day for editing and graphic design of the texts in the period covered by the Strategic Plan.

The calculations represent average values, and, accordingly, the obligations are not equally distributed to all TOs, because the needs of the interested parties were diverse..

Based on all abovementioned, it was concluded that for the implementation of this three-year Strategic Plan, the Institute currently has sufficient number of human resources. When considering human resource engagement, it is essential to take into account the overall obligations of the Institute related to the adoption of standards, as well as other activities that the Institute performs. 297 in total is the number of standards identified by the stakeholders as necessary for performing their activities and 217 standards, after a detailed revision, are included in this Strategic Plan. This is only a part of total number of standards that the Institute is obligated to adopt in this period in order to fulfill the requirements for membership in CEN and CENELEC (e.g. at the European level, 4.500 documents are expected to be adopted into the BiH national standardization system, then what needs to be taken into consideration are the projects of the adoption of international standards and development of original national standards that have already been commenced, and all that, in total, at the three-year level

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<sup>6</sup> It refers to job positions that in the job description have procedures for preparing, issuing and publishing standards and organizing the work of technical committees.

represents the engagement of employees on approximately 6.500 documents). Also, out of 58 Technical Committees, 22 will be involved in the adoption of standards included in the Strategic Plan, that will, in addition, according to their annual plans for the adoption of standards, work on the adoption of standards that are not included in the Strategic Plan, as well as other Technical Committees, which at the same time means regular engagement of internal resources of the Institute, i.e. standardization officers<sup>7</sup> (TOs) and employees working on editing and graphical design of the standards (EDs). Also, in addition to activities in the standard development process, standardization officers also participate in the implementation of activities related to promotion of standardization, in working groups of different ministries and other administrative bodies in Bosnia and Herzegovina for the purpose of adopting technical regulations, etc.

**Table 7 - Adoption of standard in English language (Ad)**

Project type 1 - Adoption of standard in English language "Ad"								
Standards Development Task	Work time			Repetitions per lifecycle	Total Work time			Total time for all tasks
	TO	ED	SECR		TO	ED	SECR	
Preliminary analysis	0,04	0	0	1	0,04	0	0	0,04
Preparation & management of TC meetings	0,20	0	0	1	0,20	0	0	0,20
Preparation of TC meeting report	0,20	0	0	1	0,20	0	0	0,20
Verification & circulation of drafts	0,20	0	0	1	0,20	0	0	0,20
Communication with stakeholders	0,04	0	0	1	0,04	0	0	0,04
Project management	0,20	0	0	1	0,20	0	0	0,20
Editing/finalization of adopted standard	0,20	0,15	0	1	0,20	0,15	0	0,35

<b>Total:</b>	<b>1,08</b>	<b>0,15</b>	<b>0</b>
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<b>Total time for 1 Ad:</b>	<b>1,23</b>
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NOTE: According to the organization of work at the Institute, technical (TO) and administrative (SECR) operations are joined and presented in column TO.

<sup>7</sup> It refers to job positions that in the job description have procedures for preparing, issuing and publishing standards and organizing the work of technical committees.

**Table 8 - Adoption of a standard by translation method in one of the official languages in Bosnia and Herzegovina (AdTr)**

Project type 2 - Adoption of a standard by translation method in one of the official languages in Bosnia and Herzegovina "AdTr"								
Standards Development Task	Work time			Repetitions per lifecycle	Total Work time			Total time for all tasks
	TO	ED	SECR		TO	ED	SECR	
Preliminary analysis	0,08	0	0	1	0,08	0	0	0,08
Preparation & management of TC meetings	0,10	0	0	1	0,1	0	0	0,1
Preparation of TC meeting report	0,06	0	0	1	0,06	0	0	0,06
Verification & circulation of drafts	0,04	0,10	0	2	0,08	0,2	0	0,28
Communication with stakeholders	0,04	0	0	1	0,04	0	0	0,04
Project management	0,05	0	0	1	0,05	0	0	0,05
Public enquiry	0,04	0	0	1	0,04	0	0	0,04
Collation, analysis and circulation of comments	0,04	0	0	2	0,08	0	0	0,08
Resolution of comments/ Update of draft standard	0,10	0	0	1	0,1	0	0	0,1
Editing/finalization of translated standard	0,09	0,12	0	1	0,09	0,12	0	0,21

<b>Total:</b>	<b>0,72</b>	<b>0,32</b>	<b>0</b>
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<b>Total time for 1 page of AdTr:</b>	<b>1,04</b>
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NOTE 1: Calculation of needs for human resources in the adoption of 1 translated page of a standard..

NOTE 2: According to the organization of work at the Institute, technical (TO) and administrative (SECR) operations are joined and presented in column TO.

**Table 9 - Monitoring of the development of international/European standard "Mo"**

Project type 3 - Monitoring of the development of international/European standard "Mo"								
Standards Development Task	Work time			Repetitions per lifecycle	Total Work time			Total time for all tasks
	TO	ED	SECR		TO	ED	SECR	
Preliminary analysis	0,06	0	0	2	0,12	0	0	0,12
Preparation & management of TC meetings	0,20	0	0	2	0,40	0	0	0,40
Preparation of TC meeting report	0,20	0	0	2	0,40	0	0	0,40
Verification & circulation of drafts	0,20	0	0	2	0,40	0	0	0,40
Communication with stakeholders	0,04	0	0	2	0,08	0	0	0,08
Project management	0,20	0	0	1	0,20	0	0	0,20
Editing/finalization of adopted standard in English	0,20	0,20	0	1	0,20	0,20	0	0,40

<b>Total:</b>	<b>1,80</b>	<b>0,20</b>	<b>0</b>
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<b>Total time for 1 Mo:</b>	<b>2,00</b>
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NOTE: According to the organization of work at the Institute, technical (TO) and administrative (SECR) operations are joined and presented in column TO.

Tables 10, 11 and 12 presents cumulative calculation for the necessary human resources for the proposed standards to be adopted over the next three years..

**Table 10 - Cumulative calculation of time needs for realization of different projects**

The following project types are distinguished: Adoption in English language (Ad), Adopting standards in one of the official languages in Bosnia and Herzegovina (AdTr), Monitoring of development (Mo)					
Roles	Ad	AdTr	Mo	Annual working days per role	Overall duration of the plan (in years)
TO	1,08	0,72	1,8	210	3
ED	0,15	0,32	0,20	210	
SECR	0	0	0	0	
<b>Total (per project type):</b>	<b>1,23</b>	<b>1,04*</b>	<b>2</b>		

\* Per page.

NOTE: According to the organization of work at the Institute, technical (TO) and administrative (SECR) operations are joined and presented in column TO.

**Table 11 – Calculation of the necessary human resources (TO) – in total according to the number of proposed standards**

Technical Officer*: Available versus needed human resources									
Number of national projects for a three-year planning period					Technical Officers (TOs) - Resource planning				
Standardization Departments at the Institute	Types of national projects			Available human resources		Needed human resources (TO) in workdays			Difference
	# Ad	# AdTr	# Mo	# TO	Radni dani	TO/Ad	TO/AdTr	TO/Mo	
Department General Standardization	155	173	18	7	4410	167,4	124,56	32,4	4085,64
Department Electrotechnical Standardization	23	659	2	4	2520	24,84	474,48	3,6	2017,08
<b>Total:</b>	<b>178</b>	<b>832</b>	<b>20</b>	<b>11</b>	<b>6930</b>	<b>192,24</b>	<b>599,04</b>	<b>36</b>	<b>6102,72</b>
<b>Difference over whole plan:</b>									<b>29,06</b>
<b>Difference per year:</b>									<b>9,69</b>

\* It refers to job positions that in the job description have procedures for preparing, issuing and publishing standards and organizing the work of technical committees.

**Table 12 – Calculation of the necessary human resources (ED) – In total according to the number of proposed standards**

Proofreading and technical editing of standards: Available versus needed human resources							
Standardization Departments at the Institute	Available human resources (ED/TR)		Needed human resources (ED/TR) in workdays			Difference	
	# ED	Radni dani	ED/Ad	ED/AdTr	ED/Mo		
Publishing, information and documentation department	2	1260	26,7	266,24	4	963,06	
<b>Total:</b>	<b>2</b>	<b>1260</b>	<b>26,7</b>	<b>266,24</b>	<b>4</b>	<b>963,06</b>	
<b>Difference over three years:</b>						<b>4,59</b>	
<b>Difference per year:</b>						<b>1,53</b>	

**Table 13 – Calculation of necessary human resources according to the years of adoption of standards**

Type of project	2019	2020	2021	TO	ED	SECR	TO	ED	SECR
Ad	58	71	49	192,24	26,7	0	6930	1260	-
AdTr	471	239	122	599,04	266,24	0			
Mo	6	9	5	36	4	0			
<b>Total:</b>	<b>535</b>	<b>319</b>	<b>176</b>	<b>827,28</b>	<b>296,94</b>	<b>0</b>			

Table 14 presents the total number of projects and manner of their adoption according to the sector.

**Table 14 - Total number of projects and manner of their adoption according to the sector**

Sector	Total number of national projects			Needed human resources (persons/day)		
	Type of project	Number of projects	Number of pages	TO	ED	Total
Human health and social work activities	Ad	36	1402	47,88	6,4	54,28
	AdTr	0	0			
	Mo	5	175			
Information and communication	Ad	9	897	129,96	54,79	184,75
	AdTr	5	167			
	Mo	0	0			
Public administration and defence; compulsory social security	Ad	0	0	1,8	0,2	2
	AdTr	0	0			
	Mo	1	36			
Water supply; sewerage, waste management and remediation activities	Ad	13	266	14,04	1,95	15,99
	AdTr	0	0			
	Mo	0	0			
Manufacturing	Ad	6	133	109,44	43,06	152,5
	AdTr	3	128			
	Mo	6	223			
Transportation and storage	Ad	6	551	10,08	1,3	11,38
	AdTr	0	0			
	Mo	2	179			
Electricity, gas, steam and air conditioning supply	Ad	5	213	5,4	0,75	6,15
	AdTr	0	0			
	Mo	0	0			
Professional, scientific and technical activities	Ad	103	3432	154,44	31,05	185,49
	AdTr	1	45			
	Mo	6	253			
Mining and quarrying	Ad	0	0	354,24	157,44	511,68
	AdTr	10	492			
	Mo	0	0			
<b>TOTAL</b>	<b>Ad + AdTr + Mo</b>			<b>827,28</b>	<b>296,94</b>	<b>1124,22</b>

### 6.3 Financial resources

During the calculation of the financial resources required for the realization of this Strategic Plan, we implemented the methodology given below.

The fixed costs required for the implementation of the Strategic Plan are expressed by person/day, and they include:

- the daily allowance of the employee (TO), travel expenses ( for organizing meetings outside the Institute),
- the costs of meeting room leasing and entertainment costs ( for organizing meetings outside the Institute), and
- additional costs (fixed and mobile communication, internet).

22 different Technical Committees are included in the realization of the Strategic Plan during three-year period, with average number of 2 meetings per year. For the organization of the sessions at the Institute, it is estimated that the average cost of meeting room leasing are BAM 50,00 per hour, and the number of planned sessions for a period of three years is 92. When it comes to entertainment costs, having in mind the number of Technical Committee members included in the implementation of the Strategic Plan, the average attendance at the sessions and the average cost per member (BAM 2,00), for a period of three years, the planned expenses amount to BAM 2.000,00. Good practice of the activities of Technical Committees is that the sessions are held outside the headquarters of the Institute, in other cities. In this regard, it is planned that 21 sessions will be held in other cities and a costs estimates are BAM 950,00 (daily allowance of BAM 25,00 per day) and travel expenses.

Table 15 presents financial resources for the realization of the Strategic plan.

When it comes to translating standards, stakeholders have proposed 832 pages of standards to be translated. In previous years, the Institute has improved its infrastructure for translation of standards by establishing terminology database which contains standardized terms and definitions (<http://www.bas.gov.ba/standard/term.php>). The Institute has also encouraged stakeholders to prepare translations of standards needed in their business activities and submit them to the Institute in order to participate in BiH standards adopting process. A very good cooperation between several organizations has been achieved. This practice will continue in the future. Modest financial resources of the Institute, as well as the involvement of Technical Committee members in providing translations of prioritized standards, represents a solid foundation for the provision of translations of standards into one of the official languages in Bosnia and Herzegovina.

The necessary financial support for the active participation of experts from Bosnia and Herzegovina in the development of European and international standards is continuously provided by the organizations that delegated those experts, as well as sponsorship through intermediation of the Institute (e.g. ISO/DEVCO, etc.).

**Table 15 - Financial resources for the realization of the Strategic Plan**

Average fixed costs per person/ day (in BAM)		Required number of persons/days (TO+ED)	Financial resources required for organizing meetings at the Institute*	Financial resources needed to organize meetings outside the Institute**	Additional costs**	Total costs for three years (in BAM)
The average daily allowance of employee (11 TO and 2 ED)	<b>138,05</b>	<b>1124,22</b>	<b>11200,00</b>	<b>950,00</b>	<b>3000,00</b>	<b>170348,57</b>
* Costs related to meeting room lease, entertainment (for three years) ** Travelling allowances for travel in BiH, travel expenses *** Internet cost, phone costs						

## 7. CONCLUSION

This document presents a *Medium-term strategic plan for the adoption of BiH standards for the period 2019 to 2021*, based on the stated needs of stakeholders. After the survey of standard users on their needs, a list of priorities for the adoption of standards based on pre-defined criteria has been established. Namely, only the standards that met the criteria set in the Internal rules for standardization of the Institute and the procedures for the adoption of standards were introduced into the Strategic Plan. All documents that did not meet the relevant criteria were omitted from the Strategic Plan.

Standard users identified the need for translation of certain number of standards, i.e adoption by translation method into one of the official languages in Bosnia and Herzegovina.

The list of priorities, the dynamics of standard adoption in the period considered has been determined. An important part of the Strategic Plan is an analysis of the necessary human and financial resources. Based on this analysis, it can be concluded that the Institute currently has sufficient resources for the implementation of the Strategic Plan in the considered period.

The Medium-Term Strategic Plan will be reviewed each year in order to monitor current social conditions and trends. In case of need, the Strategic Plan can be supplemented, adapted, refined, in the manner and according to the procedure through which it was adopted. After the end of each year, a report on the implementation of the Strategic Plan will be submitted to the Council.

Contact will be maintained with all standard users who identified their needs and whose requirements are included in the Strategic Plan in order to be informed about its implementation, as well as for cooperation on translation of standards.

Although letters were sent to the address of more than 1,300 organizations, the response, unfortunately, was weak (total of 25 responses). In line with economic and business conditions in Bosnia and Herzegovina, the Institute believes that it is necessary to work more actively on synergies with stakeholders in order to raise awareness about the importance and role of standards and standardization in all spheres of life. The Institute plans to continue animating as many stakeholders as possible in the coming period, to get involved in the standardization process.

DIRECTOR

.....  
Aleksandar Cincar

## Annex A

### List of standards planned for adoption in the Strategic Plan for the Adoption of Standards for the period 2019-2021, according to sectors and years of adoption

NOTE: Tables A.1, A.2 and A.3 contain international and European standards planned for adoption in English and in one of the official languages in Bosnia and Herzegovina.

Abbreviations:

Ad – adoption of a standard in English language

AdTr – adoption of a standard by translation method in one of the official languages in Bosnia and Herzegovina

Mo – monitoring of the development of international/European standard

**Table A.1 – List of standards planned for 2019**

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
1.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Design of concrete structures	EN 1992-1-2:2004/A1:2019	Eurocode 2: Design of concrete structures - Part 1-2: General rules - Structural fire design	2,63	Mo	18	BAS/TC 61
2.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Design of concrete structures	EN 1992-4:2018	Eurocode 2 - Design of concrete structures - Part 4: Design of fastenings for use in concrete	2,63	Ad	129	BAS/TC 61
3.	Processing industry	Manufacture of other primary steel products	Prestressing steel	FprEN 10138-1	Prestressing steels - Part 1: General requirements	2,20	Mo	35	BAS/TC 4
4.	Processing industry	Manufacture of other primary steel products	Prestressing steel	FprEN 10138-2	Prestressing steels - Part 2: Wire	2,20	Mo	14	BAS/TC 4
5.	Processing industry	Manufacture of other primary steel products	Prestressing steel	FprEN 10138-3	Prestressing steels - Part 3: Strand	2,20	Mo	14	BAS/TC 4

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
6.	Processing industry	Manufacture of other primary steel products	Prestressing steel	FprEN 10138-4	Prestressing steels - Part 4: Bar	2,20	Mo	12	BAS/TC 4
7.	Professional, scientific and technical activities	Activities of head offices	Quality management systems	ISO 10002:2018	Quality management - Customer satisfaction - Guidelines for complaints handling in organizations	2,50	Ad	31	BAS/TC 3
8.	Information and communication	Information service activities	Information technology -- Service Management	prBAS EN ISO/IEC 27001:2019	Information technology - Security techniques - Information security management systems - Requirements	2,00	AdTr	31	BAS/TC 1
9.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Fire protection	EN 54-7:2018	Fire detection and fire alarm systems - Part 7: Smoke detectors - Point smoke detectors that operate using scattered light, transmitted light or ionization	2,63	Ad	79	BAS/TC 13
10.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Fire protection	EN 54-5:2017+A1:2018	Fire detection and fire alarm systems - Part 5: Heat detectors - Point heat detectors	2,63	Ad	62	BAS/TC 13
11.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Fire protection	pnBAS EN ISO 14644-15:2019	Cleanrooms and associated controlled environments - Part 15: Assessment of suitability for use of equipment and materials by airborne chemical concentration	2,63	Ad	24	BAS/TC 7
12.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Fire protection	ISO 14644-12:2018	Cleanrooms and associated controlled environments - Part 12: Specifications for monitoring air cleanliness by nanoscale particle concentration	2,63	Ad	11	BAS/TC 7
13.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	pnBAS ISO 16000-34:2019	Indoor air - Part 34: Strategies for the measurement of airborne particles	2,75	Ad	45	BAS/TC 7
14.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	pnBAS ISO 16000-33:2019	Indoor air - Part 33: Determination of phthalates with gas chromatography/mass spectrometry (GC/MS)	2,75	Ad	52	BAS/TC 7

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
15.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	pnBAS ISO 16000-31:2019	Indoor air - Part 31: Measurement of flame retardants and plasticizers based on organophosphorus compounds - Phosphoric acid ester	2,75	Ad	27	BAS/TC 7
16.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	pnBAS ISO 16000-30:2019	Indoor air - Part 30: Sensory testing of indoor air	2,75	Ad	36	BAS/TC 7
17.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	pnBAS ISO 16000-29:2019	Indoor air - Part 29: Test methods for VOC detectors	2,75	Ad	40	BAS/TC 7
18.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	pnBAS ISO 16000-27:2019	Indoor air - Part 27: Determination of settled fibrous dust on surfaces by SEM (scanning electron microscopy) (direct method)	2,75	Ad	35	BAS/TC 7
19.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	pnBAS ISO 16000-21:2019	Indoor air - Part 21: Detection and enumeration of moulds - Sampling from materials	2,75	Ad	16	BAS/TC 7
20.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	pnBAS ISO 16000-20:2019	Indoor air - Part 20: Detection and enumeration of moulds - Determination of total spore count	2,75	Ad	18	BAS/TC 7
21.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	pnBAS CEN ISO/TS 21623:2019	Workplace exposure - Assessment of dermal exposure to nano-objects and their aggregates and agglomerates (NOAA)	2,75	Ad	37	BAS/TC 7
22.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Mechanical vibration and shocks	prBAS ISO 2631-5:2019	Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 5: Method for evaluation of vibration containing multiple shocks	2,63	Ad	40	BAS/TC 40
23.	Human health and social work	Human health activities	Personal protective equipment	prBAS EN ISO 4007:2019	Personal protective equipment - Eye and face protection - Vocabulary	2	Ad	82	BAS/TC 14

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
24.	Human health and social work	Human health activities	Personal protective equipment	nsBAS EN ISO 374-1/A1:2019	Protective gloves against dangerous chemicals and micro-organisms - Part 1: Terminology and performance requirements for chemical risks - Amendment 1	2	Ad	10	BAS/TC 14
25.	Human health and social work	Human health activities	Personal protective equipment	nsBAS EN ISO 27065:2019	Protective clothing - Performance requirements for protective clothing worn by operators applying pesticides and for re-entry workers	2	Ad	27	BAS/TC 14
26.	Human health and social work	Human health activities	Personal protective equipment	nsBAS EN ISO 20349-2:2019	Personal protective equipment - Footwear protecting against risks in foundries and welding - Part 2: Requirements and test methods for protection against risks in welding and allied processes	2	Ad	19	BAS/TC 14
27.	Human health and social work	Human health activities	Personal protective equipment	nsBAS EN ISO 19918:2019	Protective clothing - Protection against chemicals - Measurement of cumulative permeation of chemicals with low vapour pressure through materials	2	Ad	26	BAS/TC 14
28.	Human health and social work	Human health activities	Personal protective equipment	nsBAS EN ISO 18640-2:2019	Protective clothing for firefighters - Physiological impact - Part 2: Determination of physiological heat load caused by protective clothing worn by firefighters	2	Ad	28	BAS/TC 14
29.	Human health and social work	Human health activities	Personal protective equipment	nsBAS EN ISO 18640-1:2019	Protective clothing for firefighters - Physiological impact - Part 1: Measurement of coupled heat and moisture transfer with the sweating torso	2	Ad	48	BAS/TC 14
30.	Human health and social work	Human health activities	Personal protective equipment	prBAS EN ISO 11393-1:2019	Protective clothing for users of hand-held chainsaws - Part 1: Test rig for testing resistance to cutting by a chainsaw (ISO 11393-1:2018)	2	Ad	18	BAS/TC 14
31.	Human health and social work	Human health activities	Personal protective equipment	prBAS EN ISO 11393-3:2019	Protective clothing for users of hand-held chainsaws - Part 3: Test methods for footwear (ISO 11393-3:2018)	2	Ad	23	BAS/TC 14

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
32.	Water supply; sewerage, waste management and remediation activities	Collection, purification and water supply	Water quality	ISO 20236:2018	Water quality - Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TNb) and dissolved bound nitrogen (DNb) after high temperature catalytic oxidative combustion	2,75	Ad	18	BAS/TC 7
33.	Water supply; sewerage, waste management and remediation activities	Collection, purification and water supply	Water quality	ISO 11349:2010	Water quality - Determination of low-volatility lipophilic substances - Gravimetric method	2,75	Ad	7	BAS/TC 7
34.	Water supply; sewerage, waste management and remediation activities	Collection, purification and water supply	Water quality	ISO 15923-1:2013	Water quality - Determination of selected parameters by discrete analysis systems - Part 1: Ammonium, nitrate, nitrite, chloride, orthophosphate, sulfate and silicate with photometric detection	2,75	Ad	25	BAS/TC 7
35.	Water supply; sewerage, waste management and remediation activities	Collection, purification and water supply	Water quality	ISO/TS 15923-2:2017	Water quality - Determination of selected parameters by discrete analysis systems - Part 2: Chromium(VI), fluoride, total alkalinity, total hardness, calcium, magnesium, iron, iron(II), manganese and aluminium with photometric detection	2,75	Ad	31	BAS/TC 7
36.	Water supply; sewerage, waste management and remediation activities	Collection, purification and water supply	Water quality	ISO 18191:2015	Water quality - Determination of pH <sub>T</sub> in sea water - Method using the indicator dye m-cresol purple	2,75	Ad	11	BAS/TC 7
37.	Prerađivačka industrija	Manufacture of coke and refined petroleum products	Petroleum products	EN ISO 4259-1:2017	Petroleum and related products - Precision of measurement methods and results - Part 1: Determination of precision data in relation to methods of test	2,25	AdTr	80	BAS/TC 11
38.	Prerađivačka industrija	Manufacture of coke and refined petroleum products	Petroleum products	EN ISO 4259-2:2017	Petroleum and related products - Precision of measurement methods and results - Part 2: Interpretation and application of precision data in relation to methods of test	2,25	AdTr	30	BAS/TC 11

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
39.	Electricity, gas, steam and air conditioning supply	Production, transmission and distribution of electricity	Lighting application	ISO/CIE 19476:2014	Characterization of the performance of illuminance meters and luminance meters	1,70	Ad	48	BAS/TC 19
40.	Electricity, gas, steam and air conditioning supply	Production, transmission and distribution of electricity	Lighting application	ISO 23539:2005/CIE S 010/E:2004	Photometry - The CIE system of physical photometry	1,70	Ad	28	BAS/TC 19
41.	Human health and social work	Human health activities	Radiological protection	ISO 4037-1:2019	Radiological protection - X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy -- Part 1: Radiation characteristics and production methods	2	Ad	47	BAS/TC 25
42.	Human health and social work	Human health activities	Radiological protection	ISO 4037-2:2019	Radiological protection -- X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy -- Part 2: Dosimetry for radiation protection over the energy ranges from 8 keV to 1,3 MeV and 4 MeV to 9 MeV	2	Ad	28	BAS/TC 25
43.	Human health and social work	Human health activities	Radiological protection	ISO 4037-3:2019	Radiological protection - X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy -- Part 3: Calibration of area and personal dosimeters and the measurement of their response as a function of energy and angle of incidence	2	Ad	68	BAS/TC 25

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
44.	Human health and social work	Human health activities	Radiological protection	ISO 4037-4:2019	Radiological protection - X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy -- Part 4: Calibration of area and personal dosimeters in low energy X reference radiation fields	2	Ad	18	BAS/TC 25
45.	Human health and social work	Human health activities	Radiological protection	prBAS EN ISO 29661:2019	Reference radiation fields for radiation protection - Definitions and fundamental concepts	2	Ad	38	BAS/TC 25
46.	Professional, scientific and technical activities	Technical testing and analysis	Vacuum gauges	ISO-3567:2011	Vacuum gauges — Calibration by direct comparison with a reference gauge	2,00	Ad	14	BAS/TC 38
47.	Professional, scientific and technical activities	Technical testing and analysis	Vacuum gauges	ISO-27893:2011	Vacuum technology — Vacuum gauges — Evaluation of the uncertainties of results of calibrations by direct comparison with a reference gauge	2,00	Ad	15	BAS/TC 38
48.	Professional, scientific and technical activities	Technical testing and analysis	Vacuum gauges	ISO 19685:2017	Vacuum Technology – Vacuum gauges – Specifications, calibrations and measurement uncertainties for Pirani gauges	2,00	Ad	13	BAS/TC 38
49.	Professional, scientific and technical activities	Technical testing and analysis	Vacuum gauges	ISO 20146:2019	Vacuum technology — Vacuum gauges — Specifications, calibration and measurement uncertainties for capacitance diaphragm gauges	2,00	Ad	16	BAS/TC 38
50.	Professional, scientific and technical activities	Technical testing and analysis	Vacuum gauges	ISO 27894:2009	Vacuum Technology – Vacuum gauges – Specifications for hot cathode ionization gauges	2,00	Ad	19	BAS/TC 38
51.	Human health and social work	Human health activities	Safety of toys	prBAS EN 71-1+A1:2019	Safety of toys - Part 1: Mechanical and physical properties	2	Ad	184	BAS/TC 54
52.	Human health and social work	Human health activities	Safety of toys	prBAS EN 71-3+A3:2019	Safety of toys - Part 3: Migration of certain elements	2	Ad	54	BAS/TC 54
53.	Human health and social work	Human health activities	Safety of toys	prBAS EN 71-7+A2:2019	afety of toys - Part 7: Finger paints - Requirements and test methods	2	Ad	74	BAS/TC 54
54.	Human health and social work	Human health activities	Safety of toys	prBAS EN 71-8:2019	Safety of toys - Part 8: Activity toys for domestic use	2	Ad	67	BAS/TC 54

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
55.	Professional, scientific and technical activities	Activities of head offices	Quality management systems	prBAS ISO 37001:2018	Anti-bribery management systems - Requirements with guidance for use	2,50	AdTr	45	BAS/TC 55
56.	Information and communication	Information service activities	Information technology -- Service Management	ISO/IEC 20000-1:2018	Information technology - Service management -- Part 10: Concepts and vocabulary	2,00	Ad	31	BAS/TC 1
57.	Transportation and storage	Land transport and pipeline transport	Railway transport	nsBAS EN 13103-1:2019	Railway applications - Wheelsets and bogies - Part 1: Design method for axles with external journals	3,00	Ad	102	BAS/TC 46
58.	Information and communication	Telecommunications	Digital audio and video program	ETSI TS 136 104 V15.4.0:2018	LTE;Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 15.4.0 Release 15)	3,00	Ad	299	BAS/TC 5
59.	Information and communication	Telecommunications	Digital audio and video program	pnBAS EN 300 401 V2.1.1:2019	Radio Broadcasting Systems; Digital Audio Broadcasting (DAB) to mobile, portable and fixed receivers	3,00	Ad	124	BAS/TC 5
60.	Information and communication	Telecommunications	Digital audio and video program	ETSI TR 101 495 V2.1.1:2017	Digital Audio Broadcasting (DAB);Guide to DAB standards	3,00	Ad	20	BAS/TC 5
61.	Information and communication	Telecommunications	Digital audio and video program	ETSI TS 102 563 V2.1.1:2017	Digital Audio Broadcasting (DAB);DAB+ audio coding (MPEG HE-AACv2)	3,00	Ad	28	BAS/TC 5
62.	Information and communication	Telecommunications	Digital audio and video program	ETSI TS 102 796 V1.5.1:2018	Hybrid Broadcast Broadband TV	3,00	Ad	316	BAS/TC 5
63.	Mining and quarrying	Support activities for other mining and quarrying	Safety in mines	prBAS EN IEC 60079-0:2019	Explosive atmospheres - Part 0: Equipment - General requirements	2,10	AdTr	142	BAS/TC 6
64.	Mining and quarrying	Support activities for other mining and quarrying	Safety in mines	prBAS EN 1127-2:2019	Explosive atmospheres - Explosion prevention and protection - Part 2: Basic concepts and methodology for mining	2,10	AdTr	34	BAS/TC 6
65.	Mining and quarrying	Support activities for other mining and quarrying	Safety in mines	EN 14460:2018	Explosion resistant equipment	2,10	AdTr	36	BAS/TC 6

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
66.	Mining and quarrying	Support activities for other mining and quarrying	Safety in mines	prBAS EN 50525-2-21:2019	Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (Uo/U) - Part 2-21: Cables for general applications - Flexible cables with crosslinked elastomeric insulation	2,10	AdTr	40	BAS/TC 30
67.	Mining and quarrying	Support activities for other mining and quarrying	Safety in mines	EN 60079-10-2:2015	Explosive atmospheres - Part 10-2: Classification of areas - Explosive dust atmospheres	2,10	AdTr	33	BAS/TC 6
68.	Transportation and storage	Postal and courier activities	Postal services	prBAS EN ISO 19160-4:2019	Addressing - Part 4: International postal address components and template language	2,67	Ad	61	BAS/TC 5
69.	Transportation and storage	Postal and courier activities	Postal services	pnBAS CEN/TS 17217:2019	Postal services - Reverse envelope - Design and printing requirements	2,67	Ad	14	BAS/TC 5
70.	Transportation and storage	Postal and courier activities	Postal services	prEN 13850	Postal services - Quality of services - Measurement of the transit time of end-to-end services for single piece priority mail and first class mail	2,67	Mo	122	BAS/TC 5
71.	Electricity, gas, steam and air conditioning supply	Production, transmission and distribution of electricity	Insulation fluids for use in electrical engineering	IEC 62961:2018	Insulating liquids - Test methods for the determination of interfacial tension of insulating liquids - Determination with the ring method	1,70	Ad	23	BAS/TC 53
72.	Electricity, gas, steam and air conditioning supply	Production, transmission and distribution of electricity	Insulation fluids for use in electrical engineering	IEC 60156:2018 RLV	Insulating liquids - Determination of the breakdown voltage at power frequency - Test method	1,70	Ad	60	BAS/TC 53
73.	Electricity, gas, steam and air conditioning supply	Production, transmission and distribution of electricity	Insulation fluids for use in electrical engineering	IEC 61125:2018	Insulating liquids - Test methods for oxidation stability - Test method for evaluating the oxidation stability of insulating liquids in the delivered state	1,70	Ad	54	BAS/TC 53

**Table A.2 – List of standards planned for 2020**

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
1.	Manufacturing	Manufacture of concrete, cement and plaster	Concrete	prEN 206 rev	Concrete - Part 1: Specification, performance, production and conformity criteria	2,20	Mo	98	BAS/TC 21
2.	Manufacturing	Manufacture of concrete, cement and plaster	Aggregates for concrete	FprEN 12620	Aggregates for concrete	2,20	Mo	50	BAS/TC 21
3.	Information and communication	Information service activities	Information technology -- Service Management	ISO/IEC 20000-1:2018	Information technology - Service management - Part 1: Service management system requirements	2,00	Ad	28	BAS/TC 1
4.	Information and communication	Information service activities	Information technology -- Service Management	ISO/IEC 20000-10:2018	Information technology - Service management - Part 10: Concepts and vocabulary	2,00	Ad	28	BAS/TC 1
5.	Public administration and defence; compulsory social security	Public administration and defence; compulsory social security	Societal Security	prEN ISO 22301	Security and resilience - Business continuity management systems - Requirements	2,25	Mo	36	BAS/TC 59
6.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Fire protection	EN 54-3:2014+A1:2019	Fire detection and fire alarm systems - Part 3: Fire alarm devices - Sounders	2,63	Mo	97	BAS/TC 13
7.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Fire protection	EN 54-22:2015/FprA1	Fire detection and fire alarm systems - Part 22: Resettable line-type heat detectors	2,63	Mo	12	BAS/TC 13
8.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Fire protection	EN 54-13:2017/prA1	Fire detection and fire alarm systems - Part 13: Compatibility and connectability assessment of system components	2,63	Mo	6	BAS/TC 13
9.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Fire protection	FprEN ISO 14644-16	Cleanrooms and associated controlled environments - Part 16: Energy efficiency in cleanrooms and clean air devices (ISO/FDIS 14644-16:2019)	2,63	Mo	47	BAS/TC 7

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
10.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 9096:2017	Stationary source emissions - Manual determination of mass concentration of particulate matter	2,75	Ad	48	BAS/TC 7
11.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 8672:2014	Air quality - Determination of the number concentration of airborne inorganic fibres by phase contrast optical microscopy - Membrane filter method	2,75	Ad	36	BAS/TC 7
12.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 28902-3:2018	Air quality - Environmental meteorology - Part 3: Ground-based remote sensing of wind by continuous-wave Doppler lidar	2,75	Ad	24	BAS/TC 7
13.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 28902-2:2017	Air quality - Environmental meteorology - Part 2: Ground-based remote sensing of wind by heterodyne pulsed Doppler lidar	2,75	Ad	44	BAS/TC 7
14.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 28902-1:2012	Air quality - Environmental meteorology - Part 1: Ground-based remote sensing of visual range by lidar	2,75	Ad	35	BAS/TC 7
15.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 25597:2013	Stationary source emissions - Test method for determining PM <sub>2,5</sub> and PM <sub>10</sub> mass in stack gases using cyclone samplers and sample dilution	2,75	Ad	66	BAS/TC 7
16.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 22262-3:2016	Air quality - Bulk materials - Part 3: Quantitative determination of asbestos by X-ray diffraction method	2,75	Ad	75	BAS/TC 7
17.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 22262-2:2014	Air quality - Bulk materials - Part 2: Quantitative determination of asbestos by gravimetric and microscopical methods	2,75	Ad	52	BAS/TC 7
18.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 22262-1:2012	Air quality - Bulk materials - Part 1: Sampling and qualitative determination of asbestos in commercial bulk materials	2,75	Ad	75	BAS/TC 7

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
19.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 21832:2018	Workplace air - Metals and metalloids in airborne particles - Requirements for evaluation of measuring procedures	2,75	Ad	44	BAS/TC 7
20.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 20581:2016	Workplace air - General requirements for the performance of procedures for the measurement of chemical agents	2,75	Ad	21	BAS/TC 7
21.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 19926-1:2019	Meteorology - Weather radar - Part 1: System performance and operation	2,75	Ad	98	BAS/TC 7
22.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 19289:2015	Air quality - Meteorology - Siting classifications for surface observing stations on land	2,75	Ad	19	BAS/TC 7
23.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 19087:2018	Workplace air - Analysis of respirable crystalline silica by Fourier-Transform Infrared spectroscopy	2,75	Ad	35	BAS/TC 7
24.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 18466:2016	Stationary source emissions - Determination of the biogenic fraction in CO2 in stack gas using the balance method	2,75	Ad	32	BAS/TC 7
25.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 18158:2016	Workplace air - Terminology	2,75	Ad	34	BAS/TC 7
26.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 17734-2:2013	Determination of organonitrogen compounds in air using liquid chromatography and mass spectrometry - Part 2: Amines and aminoisocyanates using dibutylamine and ethyl chloroformate derivatives	2,75	Ad	39	BAS/TC 7
27.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 17734-1:2013	Determination of organonitrogen compounds in air using liquid chromatography and mass spectrometry - Part 1: Isocyanates using dibutylamine derivatives	2,75	Ad	34	BAS/TC 7

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
28.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 17733:2015	Workplace air - Determination of mercury and inorganic mercury compounds - Method by cold-vapour atomic absorption spectrometry or atomic fluorescence spectrometry	2,75	Ad	60	BAS/TC 7
29.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 17211:2015	Stationary source emissions - Sampling and determination of selenium compounds in flue gas	2,75	Ad	30	BAS/TC 7
30.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 17179:2016	Stationary source emissions - Determination of the mass concentration of ammonia in flue gas - Performance characteristics of automated measuring systems	2,75	Ad	45	BAS/TC 7
31.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Mechanical vibration and shocks	ISO 9996:1996	Mechanical vibration and shock - Disturbance to human activity and performance - Classification	2,63	Ad	14	BAS/TC 40
32.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Mechanical vibration and shocks	ISO 8727:1997/Amd 1:2015	Mechanical vibration and shock — Human exposure — Biodynamic coordinate systems - AMENDMENT 1	2,63	Ad	9	BAS/TC 40
33.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Mechanical vibration and shocks	ISO 8727:1997	Mechanical vibration and shock - Human exposure - Biodynamic coordinate systems	2,63	Ad	20	BAS/TC 40
34.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Mechanical vibration and shocks	ISO 6897:1984	Guidelines for the evaluation of the response of occupants of fixed structures, especially buildings and off-shore structures, to low-frequency horizontal motion (0,063 to 1 Hz)	2,63	Ad	14	BAS/TC 40
35.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Mechanical vibration and shocks	ISO 5805:1997	Mechanical vibration and shock - Human exposure - Vocabulary	2,63	Ad	26	BAS/TC 40

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
36.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 10843:1997	Acoustics - Methods for the description and physical measurement of single impulses or series of impulses	2,63	Ad	30	BAS/TC 36
37.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 10843:1997/Cor 1:2009	Acoustics — Methods for the description and physical measurement of single impulses or series of impulses - TECHNICAL CORRIGENDUM 1	2,63	Ad	6	BAS/TC 36
38.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 12913-1:2014	Acoustics - Soundscape - Part 1: Definition and conceptual framework	2,63	Ad	10	BAS/TC 36
39.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 13472-2:2010	Acoustics - Measurement of sound absorption properties of road surfaces in situ - Part 2: Spot method for reflective surfaces	2,63	Ad	25	BAS/TC 36
40.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	EN ISO 13473-1:2019	Characterization of pavement texture by use of surface profiles - Part 1: Determination of mean profile depth (ISO 13473-1:2019)	2,63	Ad	52	BAS/TC 36
41.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 13475-1:1999	Acoustics - Stationary audible warning devices used outdoors - Part 1: Field measurements for determination of sound emission quantities	2,63	Ad	24	BAS/TC 36
42.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 15665:2003	Acoustics - Acoustic insulation for pipes, valves and flanges	2,63	Ad	41	BAS/TC 36
43.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 15665:2003/Cor 1:2004	Acoustics — Acoustic insulation for pipes, valves and flanges - TECHNICAL CORRIGENDUM 1	2,63	Ad	1	BAS/TC 36

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
44.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 16254:2016	Acoustics - Measurement of sound emitted by road vehicles of category M and N at standstill and low speed operation - Engineering method	2,63	Ad	45	BAS/TC 36
45.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	EN ISO 17201-1:2018	Acoustics - Noise from shooting ranges - Part 1: Determination of muzzle blast by measurement (ISO 17201-1:2018)	2,63	Ad	47	BAS/TC 36
46.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	EN ISO 17201-3:2019	Acoustics - Noise from shooting ranges - Part 3: Sound propagation calculations (ISO 17201-3:2019)	2,63	Ad	68	BAS/TC 36
47.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 17534-1:2015	Acoustics - Software for the calculation of sound outdoors - Part 1: Quality requirements and quality assurance	2,63	Ad	28	BAS/TC 36
48.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 1996-1:2016	Acoustics - Description, measurement and assessment of environmental noise - Part 1: Basic quantities and assessment procedures	2,63	Ad	52	BAS/TC 36
49.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 1996-2:2017	Acoustics - Description, measurement and assessment of environmental noise - Part 2: Determination of sound pressure levels	2,63	Ad	65	BAS/TC 36
50.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 20906:2009	Acoustics - Unattended monitoring of aircraft sound in the vicinity of airports	2,63	Ad	42	BAS/TC 36
51.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 20906:2009/Amd 1:2013	Acoustics — Unattended monitoring of aircraft sound in the vicinity of airports — AMENDMENT 1	2,63	Ad	8	BAS/TC 36

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
52.	Human health and social work	Human health activities	Personal protective equipment	ISO 6529:2013	Protective clothing - Protection against chemicals - Determination of resistance of protective clothing materials to permeation by liquids and gases	2	Ad	50	BAS/TC 14
53.	Human health and social work	Human health activities	Personal protective equipment	ISO 23388:2018	Protective gloves against mechanical risks	2	Ad	32	BAS/TC 14
54.	Human health and social work	Human health activities	Personal protective equipment	ISO 22610:2018	Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical staff and equipment - Test method to determine the resistance to wet bacterial penetration	2	Ad	32	BAS/TC 14
55.	Human health and social work	Human health activities	Personal protective equipment	ISO 18639-6:2018	PPE ensembles for firefighters undertaking specific rescue activities - Part 6: Footwear	2	Ad	24	BAS/TC 14
56.	Human health and social work	Human health activities	Personal protective equipment	ISO 18639-5:2018	PPE ensembles for firefighters undertaking specific rescue activities - Part 5: Helmet	2	Ad	25	BAS/TC 14
57.	Human health and social work	Human health activities	Personal protective equipment	ISO 18639-4:2018	PPE ensembles for firefighters undertaking specific rescue activities - Part 4: Gloves	2	Ad	26	BAS/TC 14
58.	Human health and social work	Human health activities	Personal protective equipment	ISO 18639-3:2018	PPE ensembles for firefighters undertaking specific rescue activities - Part 3: Clothing	2	Ad	21	BAS/TC 14
59.	Human health and social work	Human health activities	Personal protective equipment	ISO 18639-1:2018	PPE ensembles for firefighters undertaking specific rescue activities - Part 1: General	2	Ad	23	BAS/TC 14
60.	Human health and social work	Human health activities	Personal protective equipment	ISO 17493:2016	Clothing and equipment for protection against heat - Test method for convective heat resistance using a hot air circulating oven	2	Ad	16	BAS/TC 14
61.	Manufacturing	Manufacture of coke and refined petroleum products	Petroleum products	EN 589:2018	Automotive fuels - LPG - Requirements and test methods	2,25	AdTr	18	BAS/TC 11

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
62.	Water supply; sewerage, waste management and remediation activities	Collection, purification and water supply	Water quality	ISO 11352:2012	Water quality - Estimation of measurement uncertainty based on validation and quality control data	2,75	Ad	26	BAS/TC 7
63.	Water supply; sewerage, waste management and remediation activities	Collection, purification and water supply	Water quality	ISO 17289:2014	Water quality - Determination of dissolved oxygen - Optical sensor method	2,75	Ad	14	BAS/TC 7
64.	Water supply; sewerage, waste management and remediation activities	Collection, purification and water supply	Water quality	ISO 17378-1:2014	Water quality - Determination of arsenic and antimony - Part 1: Method using hydride generation atomic fluorescence spectrometry (HG-AFS)	2,75	Ad	20	BAS/TC 7
65.	Water supply; sewerage, waste management and remediation activities	Collection, purification and water supply	Water quality	ISO 17690:2015	Water quality - Determination of available free cyanide (pH 6) using flow injection analysis (FIA), gas-diffusion and amperometric detection	2,75	Ad	12	BAS/TC 7
66.	Water supply; sewerage, waste management and remediation activities	Collection, purification and water supply	Water quality	ISO/TS 17951-1:2016	Water quality - Determination of fluoride using flow analysis (FIA and CFA) - Part 1: Method using flow injection analysis (FIA) and spectrometric detection after off-line distillation	2,75	Ad	12	BAS/TC 7
67.	Information and communication	Telecommunications	Electronic signature	EN 319 401 V2.2.1:2018	Electronic Signatures and Infrastructures (ESI); General Policy Requirements for Trust Service Providers	3,00	AdTr	22	BAS/TC 5
68.	Information and communication	Telecommunications	Electronic signature	EN 319 411-1 V1.2.2:2018	Electronic Signatures and Infrastructures (ESI); Policy and security requirements for Trust Service Providers issuing certificates - Part 1: General requirements	3,00	AdTr	52	BAS/TC 5

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
69.	Information and communication	Telecommunications	Electronic signature	EN 319 411-2 V2.2.2:2018	Electronic Signatures and Infrastructures (ESI); Policy and security requirements for Trust Service Providers issuing certificates - Part 2: Requirements for trust service providers issuing EU qualified certificates	3,00	AdTr	31	BAS/TC 5
70.	Information and communication	Telecommunications	Electronic signature	EN 319 421 V1.1.1:2016	Electronic Signatures and Infrastructures (ESI); Policy and Security Requirements for Trust Service Providers issuing Time- Stamps	3,00	AdTr	31	BAS/TC 5
71.	Human health and social work	Human health activities	Safety toys	EN 71-14:2018	Safety of toys - Part 14: Trampolines for domestic use	2	Ad	45	BAS/TC 54
72.	Human health and social work	Human health activities	Safety toys	FprEN 71-3	Safety of toys - Part 3: Migration of certain elements	2	Mo	59	BAS/TC 54
73.	Information and communication	Information service activities	Information technology -- Service Management	ISO/IEC 27018:2019	Informaciona tehnologija - Sigurnosne tehnike - Pravilo dobre prakse za zaštitu ličnih informacija (PII) u javnim oblacima koji obrađuju PII	2,00	Ad	23	BAS/TC 1
74.	Transportation and storage	Land transport and pipeline transport	Railway transport	EN 50129:2018	Railway applications - Communication, signalling and processing systems - Safety related electronic systems for signalling	3,00	Ad	154	BAS/TC 46
75.	Transportation and storage	Land transport and pipeline transport	Railway transport	EN 14363:2016+A1:2018	Railway applications - Testing and Simulation for the acceptance of running characteristics of railway vehicles - Running Behaviour and stationary tests	3,00	Ad	197	BAS/TC 46
76.	Transportation and storage	Land transport and pipeline transport	Railway transport	EN 14535-1:2019	Railway applications - Brake discs for railway rolling stock - Part 1: Brake discs pressed or shrunk onto the axle or drive shaft, dimensions and quality requirements	3,00	Ad	23	BAS/TC 46
77.	Manufacturing	Manufacture of other special purpose machinery	Robotics	ISO 8373:2012	Robots and robotic devices - Vocabulary	1,29	Ad	38	BAS/TC 51

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
78.	Manufacturing	Manufacture of other special purpose machinery	Robotics	ISO 19649:2017	Mobile robots - Vocabulary	1,29	Ad	10	BAS/TC 51
79.	Manufacturing	Manufacture of other special purpose machinery	Robotics	ISO 18646-1:2016	Robotics - Performance criteria and related test methods for service robots - Part 1: Locomotion for wheeled robots	1,29	Ad	13	BAS/TC 51
80.	Manufacturing	Manufacture of other special purpose machinery	Robotics	ISO/TS 15066:2016	Robots and robotic devices - Collaborative robots	1,29	Ad	33	BAS/TC 51
81.	Manufacturing	Manufacture of other special purpose machinery	Robotics	ISO/TR 20218-1:2018	Robotics - Safety design for industrial robot systems - Part 1: End-effectors	1,29	Ad	25	BAS/TC 51
82.	Manufacturing	Manufacture of other special purpose machinery	Robotics	ISO/TR 20218-2:2017	Robotics - Safety design for industrial robot systems - Part 2: Manual load/unload stations	1,29	Ad	14	BAS/TC 51
83.	Vađenje ruda i kamena	Support activities for other mining and quarrying	Safety in mines	EN 60079-13:2017	Explosive atmospheres - Part 13: Equipment protection by pressurized room "p" and artificially ventilated room "v"	2,10	AdTr	43	BAS/TC 6
84.	Vađenje ruda i kamena	Support activities for other mining and quarrying	Safety in mines	EN 60079-17:2014	Explosive atmospheres - Part 17: Electrical installations inspection and maintenance	2,10	AdTr	42	BAS/TC 6
85.	Professional, scientific and technical activities	Activities of head offices	Sistemi upravljanja kvalitetom	ISO 18091	Quality management systems - Guidelines for the application of ISO 9001:2008 in local government	2,50	Mo	73	BAS/TC 3
86.	Human health and social work	Human health activities	Wheeled child conveyances	EN 1888-1:2018	Child care articles - Wheeled child conveyances - Part 1: Pushchairs and prams	1,75	Ad	111	BAS/TC 54
87.	Human health and social work	Human health activities	Wheeled child conveyances	EN 1888-2:2018	Child care articles - Wheeled child conveyances - Part 2: Pushchairs for children above 15 kg up to 22 kg	1,75	Ad	11	BAS/TC 54

**Table A.3 – List of standards planned for 2021**

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
1.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 17091:2013	Workplace air - Determination of lithium hydroxide, sodium hydroxide, potassium hydroxide and calcium dihydroxide - Method by measurement of corresponding cations by suppressed ion chromatography	2,75	Ad	28	BAS/TC 7
2.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 16258-2:2015	Workplace air - Analysis of respirable crystalline silica by X-ray diffraction - Part 2: Method by indirect analysis	2,75	Ad	36	BAS/TC 7
3.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 16258-1:2015	Workplace air - Analysis of respirable crystalline silica by X-ray diffraction - Part 1: Direct-on-filter method	2,75	Ad	31	BAS/TC 7
4.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 16000-38:2019	Indoor air - Part 38: Determination of amines in indoor and test chamber air - Active sampling on samplers containing phosphoric acid impregnated filters	2,75	Ad	15	BAS/TC 7
5.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 16000-37:2019	Indoor air - Part 37: Measurement of PM <sub>2,5</sub> mass concentration	2,75	Ad	17	BAS/TC 7
6.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 16000-36:2018	Indoor air - Part 36: Standard method for assessing the reduction rate of culturable airborne bacteria by air purifiers using a test chamber	2,75	Ad	23	BAS/TC 7
7.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 16000-24:2018	Indoor air - Part 24: Performance test for evaluating the reduction of volatile organic compound concentrations by sorptive building materials	2,75	Ad	25	BAS/TC 7
8.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 16000-23:2018	Indoor air - Part 23: Performance test for evaluating the reduction of formaldehyde and other carbonyl compounds concentrations by sorptive building materials	2,75	Ad	27	BAS/TC 7

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
9.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 14385-2:2014	Stationary source emissions - Greenhouse gases - Part 2: Ongoing quality control of automated measuring systems	2,75	Ad	37	BAS/TC 7
10.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 14385-1:2014	Stationary source emissions - Greenhouse gases - Part 1: Calibration of automated measuring systems	2,75	Ad	40	BAS/TC 7
11.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 14382:2012	Workplace atmospheres - Determination of toluene diisocyanate vapours using 1-(2-pyridyl)piperazine-coated glass fibre filters and analysis by high performance liquid chromatography with ultraviolet and fluorescence detectors	2,75	Ad	26	BAS/TC 7
12.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 13271:2012	Stationary source emissions - Determination of PM10/PM2,5 mass concentration in flue gas - Measurement at higher concentrations by use of virtual impactors	2,75	Ad	45	BAS/TC 7
13.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 12219-8:2018	Interior air of road vehicles - Part 8: Handling and packaging of materials and components for emission testing	2,75	Ad	15	BAS/TC 7
14.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 12219-7:2017	Interior air of road vehicles - Part 7: Odour determination in interior air of road vehicles and test chamber air of trim components by olfactory measurements	2,75	Ad	26	BAS/TC 7
15.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 12219-6:2017	Interior air of road vehicles - Part 6: Method for the determination of the emissions of semi-volatile organic compounds from vehicle interior parts and materials at higher temperature - Small chamber method	2,75	Ad	23	BAS/TC 7

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
16.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 12219-5:2014	Interior air of road vehicles - Part 5: Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Static chamber method	2,75	Ad	30	BAS/TC 7
17.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 12219-4:2013	Interior air of road vehicles - Part 4: Method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Small chamber method	2,75	Ad	22	BAS/TC 7
18.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 12219-3:2012	Interior air of road vehicles - Part 3: Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Micro-scale chamber method	2,75	Ad	27	BAS/TC 7
19.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 12219-2:2012	Interior air of road vehicles - Part 2: Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Bag method	2,75	Ad	20	BAS/TC 7
20.	Professional, scientific and technical activities	Other professional, scientific and technical activities	Air quality	ISO 12219-1:2012	Interior air of road vehicles - Part 1: Whole vehicle test chamber - Specification and method for the determination of volatile organic compounds in cabin interiors	2,75	Ad	27	BAS/TC 7
21.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Mechanical vibration and shocks	ISO 13091-1:2001/Amd 1:2010	Mechanical vibration — Vibrotactile perception thresholds for the assessment of nerve dysfunction — Part 1: Methods of measurement at the fingertips - AMENDMENT 1	2,63	Ad	11	BAS/TC 40
22.	Stručne, znanstvene i tehničke djelatnosti	Architectural and engineering activities; technical testing and analysis	Mechanical vibration and shocks	ISO 13091-1:2001	Mechanical vibration - Vibrotactile perception thresholds for the assessment of nerve dysfunction - Part 1: Methods of measurement at the fingertips	2,63	Ad	26	BAS/TC 40

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
23.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Mechanical vibration and shocks	ISO 10326-2:2001	Mechanical vibration - Laboratory method for evaluating vehicle seat vibration - Part 2: Application to railway vehicles	2,63	Ad	23	BAS/TC 40
24.	Stručne, znanstvene i tehničke djelatnosti	Architectural and engineering activities; technical testing and analysis	Mechanical vibration and shocks	ISO 10227:1996	Human/human surrogate impact (single shock) testing and evaluation - Guidance on technical aspects	2,63	Ad	11	BAS/TC 40
25.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 2923:1996/Cor 1:1997	Acoustics - Measurement of noise on board vessels - TECHNICAL CORRIGENDUM 1	2,63	Ad	1	BAS/TC 36
26.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 362-1:2015	Measurement of noise emitted by accelerating road vehicles - Engineering method - Part 1: M and N categories	2,63	Ad	71	BAS/TC 36
27.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 362-2:2009	Measurement of noise emitted by accelerating road vehicles - Engineering method - Part 2: L category	2,63	Ad	40	BAS/TC 36
28.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 362-3:2016	Measurement of noise emitted by accelerating road vehicles - Engineering method - Part 3: Indoor testing M and N categories	2,63	Ad	56	BAS/TC 36
29.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	EN ISO 3740:2019	Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards (ISO 3740:2019)	2,63	Ad	43	BAS/TC 36

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
30.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 3743-2:2018	Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering methods for small, movable sources in reverberant fields - Part 2: Methods for special reverberation test rooms	2,63	Ad	38	BAS/TC 36
31.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	EN ISO 4869-1:2018	Acoustics - Hearing protectors - Part 1: Subjective method for the measurement of sound attenuation (ISO 4869-1:2018)	2,63	Ad	26	BAS/TC 36
32.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	EN ISO 4869-2:2018	Acoustics - Hearing protectors - Part 2: Estimation of effective A-weighted sound pressure levels when hearing protectors are worn (ISO 4869-2:2018)	2,63	Ad	26	BAS/TC 36
33.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 4869-6:2019	Acoustics - Hearing protectors - Part 6: Determination of sound attenuation of active noise reduction earmuffs	2,63	Ad	16	BAS/TC 36
34.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 5128:1980	Acoustics - Measurement of noise inside motor vehicles	2,63	Ad	11	BAS/TC 36
35.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 5129:2001	Acoustics - Measurement of sound pressure levels in the interior of aircraft during flight	2,63	Ad	15	BAS/TC 36
36.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 5129:2001/Amd 1:2013	Acoustics — Measurement of sound pressure levels in the interior of aircraft during flight - Amendment 1	2,63	Ad	8	BAS/TC 36

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
37.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 7196:1995	Acoustics - Frequency-weighting characteristic for infrasound measurements	2,63	Ad	11	BAS/TC 36
38.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	EN ISO 7779:2018	Acoustics - Measurement of airborne noise emitted by information technology and telecommunications equipment (ISO 7779:2018)	2,63	Ad	79	BAS/TC 36
39.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 9296:2017	Acoustics - Declared noise emission values of information technology and telecommunications equipment	2,63	Ad	22	BAS/TC 36
40.	Professional, scientific and technical activities	Architectural and engineering activities; technical testing and analysis	Noise	ISO 9611:1996	Acoustics - Characterization of sources of structure-borne sound with respect to sound radiation from connected structures - Measurement of velocity at the contact points of machinery when resiliently mounted	2,63	Ad	26	BAS/TC 36
41.	Human health and social work	Human health activities	Personal protective equipment	ISO 16975-3:2017	Respiratory protective devices - Selection, use and maintenance - Part 3: Fit-testing procedures	2	Ad	33	BAS/TC 14
42.	Human health and social work	Human health activities	Personal protective equipment	ISO 16900-5:2016/Amd 1:2018	RPD head forms front and side view	2	Ad	5	BAS/TC 14
43.	Human health and social work	Human health activities	Personal protective equipment	ISO 16900-2:2017	Respiratory protective devices - Methods of test and test equipment - Part 2: Determination of breathing resistance	2	Ad	13	BAS/TC 14
44.	Human health and social work	Human health activities	Personal protective equipment	ISO 13506-2:2017	Protective clothing against heat and flame - Part 2: Skin burn injury prediction - Calculation requirements and test cases	2	Ad	23	BAS/TC 14
45.	Human health and social work	Human health activities	Personal protective equipment	ISO 11613:2017	Protective clothing for firefighter's who are engaged in support activities associated with structural fire fighting - Laboratory test methods and performance	2	Ad	34	BAS/TC 14

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
46.	Human health and social work	Human health activities	Personal protective equipment	EN ISO 15384:2018	Protective clothing for firefighters - Laboratory test methods and performance requirements for wildland firefighting clothing (ISO 15384:2018)	2	Ad	19	BAS/TC 14
47.	Human health and social work	Human health activities	Personal protective equipment	FprEN ISO 11393-6	Protective clothing for users of hand-held chainsaws - Part 6: Performance requirements and test methods for upper body protectors (ISO/FDIS 11393-6:2018)	2	Mo	33	BAS/TC 14
48.	Human health and social work	Human health activities	Personal protective equipment	FprEN ISO 11393-5	Protective clothing for users of hand-held chainsaws - Part 5: Performance requirements and test methods for protective gaiters (ISO/FDIS 11393-5:2018)	2	Mo	18	BAS/TC 14
49.	Human health and social work	Human health activities	Personal protective equipment	FprEN ISO 11393-4	Protective clothing for users of hand-held chainsaws - Part 4: Performance requirements and test methods for protective gloves (ISO/FDIS 11393-4:2018)	2	Mo	34	BAS/TC 14
50.	Human health and social work	Human health activities	Personal protective equipment	FprEN ISO 11393-2	Protective clothing for users of hand-held chainsaws - Part 2: Performance requirements and test methods for leg protectors (ISO/FDIS 11393-2:2018)	2	Mo	31	BAS/TC 14
51.	Water supply; sewerage, waste management and remediation activities	Collection, purification and water supply	Water quality	ISO/TS 19620:2018	Water quality - Determination of arsenic(III) and arsenic(V) species - Method using high performance liquid chromatography (HPLC) with detection by inductively coupled plasma mass spectrometry (ICP-MS) or hydride generation atomic fluorescence spectrometr	2,75	Ad	41	BAS/TC 7
52.	Water supply; sewerage, waste management and remediation activities	Collection, purification and water supply	Water quality	ISO 20595:2018	Water quality - Determination of selected highly volatile organic compounds in water - Method using gas chromatography and mass spectrometry by static headspace technique (HS-GC-MS)	2,75	Ad	24	BAS/TC 7

#	Sector	Field	Subject	Reference	Standard title	Rank (average)	Project type	Number of pages	Designation of Technical Committee
53.	Water supply; sewerage, waste management and remediation activities	Collection, purification and water supply	Water quality	ISO/TS 20612:2007	Water quality - Interlaboratory comparisons for proficiency testing of analytical chemistry laboratories	2,75	Ad	25	BAS/TC 7
54.	Mining and quarrying	Support activities for other mining and quarrying	Safety in mines	EN 60079-20-1:2010	Explosive atmospheres - Part 20-1: Material characteristics for gas and vapour classification - Test methods and data	2,10	AdTr	80	BAS/TC 6
55.	Mining and quarrying	Support activities for other mining and quarrying	Safety in mines	EN 60079-35-1:2011	Explosive atmospheres - Part 35-1: Caplights for use in mines susceptible to firedamp - General requirements - Construction and testing in relation to the risk of explosion	2,10	AdTr	25	BAS/TC 6
56.	Mining and quarrying	Support activities for other mining and quarrying	Safety in mines	EN 60079-35-2:2012	Explosive atmospheres - Part 35-2: Caplights for use in mines susceptible to firedamp - Performance and other safety-related matters	2,10	AdTr	17	BAS/TC 6
57.	Transportation and storage	Postal and courier activities	Postal services	prEN 14012	Postal services - Quality of service - Complaints handling principles	2,67	Mo	57	BAS/TC 5