

Current Status and Further Development of Eurocodes in the Western Balkan Region

Institute for Standardization of Serbia

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This presentation was prepared in the framework of the project “Support of Capacities of the Institute for Standardisation of Bosnia and Herzegovina in the Area of Implementation of EUROCODES” supported under the Czech Republic Development Cooperation and realized by the Czech Office for Standards, Metrology and Testing (ÚNMZ).

Overview

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- Distribution of Eurocodes in national TCs
 - Current State of Eurocodes implementation at national level
 - Further Development of Eurocodes

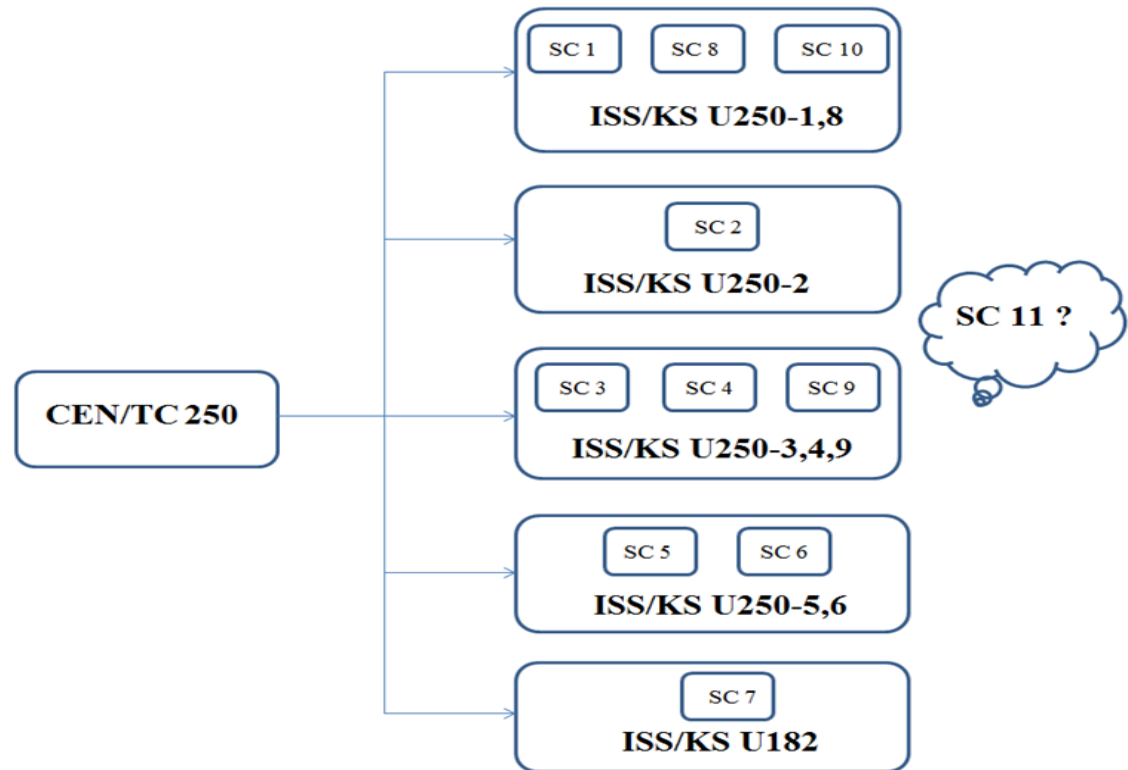
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Distribution of Eurocodes in national TCs

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- **5 national mirror committees**



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Current State of Eurocodes implementation at national level (1/8)

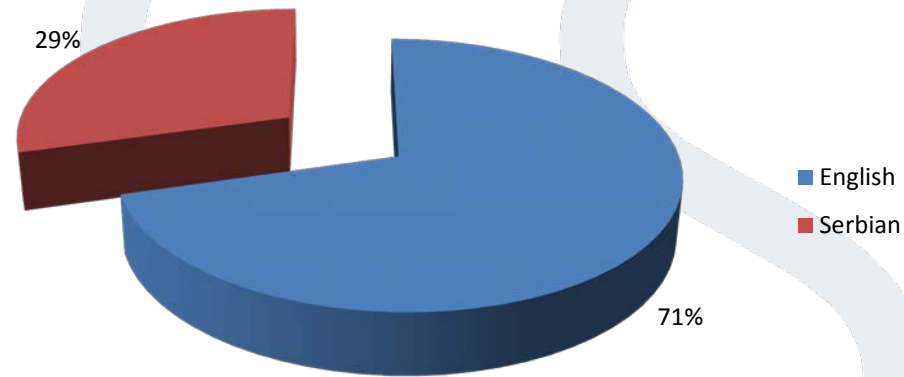
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ISS/KS U250-1,8

Stakeholders in TC:
3 Faculties, 2 private organizations, 1 public organization (7 members)

Has adopted all EC 1, EC 8 and EC 10 standards.

Languages of adopted standards



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Current State of Eurocodes implementation at national level (2/8)

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5,542.00 RSD



Zbirka – Evrokod 1 – Dejstva na konstrukcije

Sadržaj zbirke standarda Evrokod 1 – Dejstva na konstrukcije čine objavljeni srpski standardi SRPS EN 1991-1-1:2012, Deo 1-1: Opšta dejstva – Zapreminske težine, sopstvena težina, korisna opterećenja za zgrade, EN 1991-1-2:2002, Deo 1-2: Opšta dejstva – Dejstva na konstrukcije izložene požaru, SRPS EN 1991-1-3:2017, Deo 1-3: Opšta dejstva – Opterećenja snegom, SRPS EN 1991-1-4:2012, Deo 1-4: Opšta dejstva – Dejstva vetra, SRPS EN 1991-1-5:2012, Deo 1-5: Opšta dejstva – Toplotna dejstva, zatim neautorizovani prevodi evropskih standarda EN 1991-1-2:2002, Deo 1-2: Opšta dejstva – Dejstva na konstrukcije izložene požaru, EN 1991-1-6:2005, Deo 1-6: Opšta dejstva – Dejstva tokom izvođenja, EN 1991-1-7:2006, Deo 1-7: Opšta dejstva – Incidentna dejstva, EN 1991-2:2003, Deo 2: Saobraćajna opterećenja mostova, EN 1991-3:2006, Deo 3: Dejstva usled kranova i mašina i EN 1991-4:2006, Deo 4: Silosi i rezervoari. Takođe, u sastavu zbirke su i referentni srpski standardi na srpskom jeziku čiji prevodi su u sastavu zbirke. Zbirka se može naručiti u Prodavnici Instituta, po ceni od 5.542,00 dinara.

Published collection of the EC 1 standards includes standards on Serbian language and unauthorized translations of standards.

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Current State of Eurocodes implementation at national level (3/8)

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National Annexes

For EC 1, ISS has adopted all NA, except prSRPS EN 1991-2 (prepared for adoption).

For EC 8, NAs are in preparation phase.

For EC 10, NA has been adopted.

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Current State of Eurocodes implementation at national level (4/8)

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ISS/KS U250-2

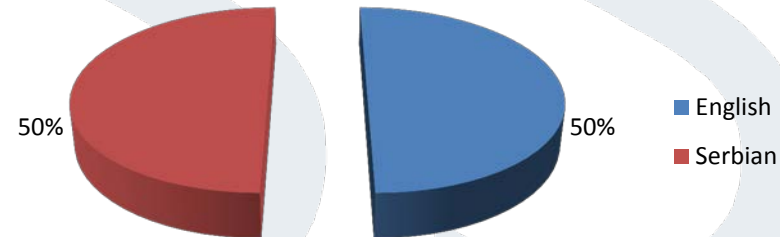
Stakeholders in TC:

3 Faculties, 1 research organization (9 members).

- Has adopted all EC 2 standards.
- Preparation of unauthorized translations of standards - in progress.
- All NAs has been adopted.

Waiting for publication of EN 1992-4:2018 (middle of June 2018) and accompanying CEN/TRs.

Languages of adopted standards



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Current State of Eurocodes implementation at national level (5/8)

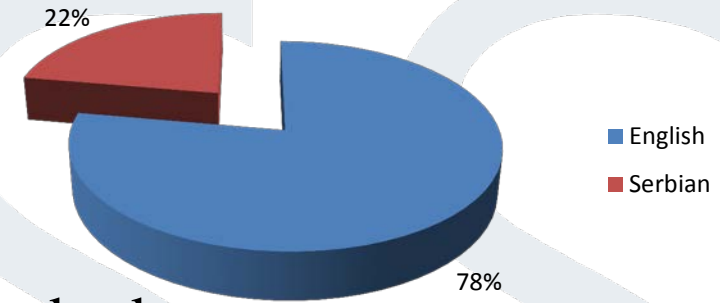
8

ISS/KS U250-3,4,9

Stakeholders in TC:
2 Faculties, 3 private
organization (9 members).

- Has adopted all EC 3, EC 4 and EC 9 standards.
- Preparation of unauthorized translations of standards - in progress.
- All NAs has been adopted.

Languages of adopted standards



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Current State of Eurocodes implementation at national level (6/8)

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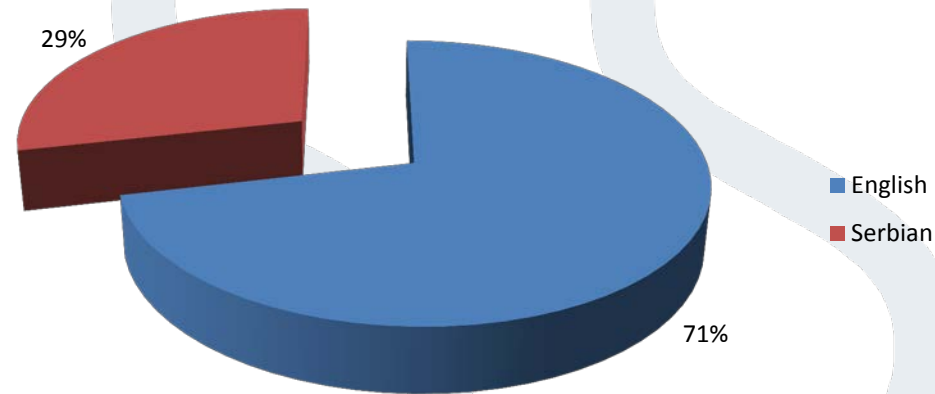
ISS/KS U250-5,6

Stakeholders in TC:

3 Faculties (5 members).

- Has adopted all EC 5 and EC 6 standards.
- Adoption of NAs in progress (1 published, 4 prepared for public enquiry and 2 in development phase).

Languages of adopted standards



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Current State of Eurocodes implementation at national level (7/8)

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Zbirka – Evrokod 5 – Projektovanje drvenih konstrukcija
Sadržaj: srpski standardi na srpskom jeziku SRPS EN 1995-1-1:2012, SRPS EN 1995-1-1:2012/A2:2016, neautorizovani prevodi na srpski jezik evropskih standarda EN 1995-1-2:2004 i EN 1995-2:2004, kao i referentni standardi SRPS EN 1995-1-2:2012 i SRPS EN 1995-2:2012 na osnovu kojih su izrađeni neautorizovani prevodi.
Po izuzetno povoljnim cenama, objedinjeni na jednom mestu u tematsku zbirku, domaćim stručnjacima su ponuđeni srpski standardi za opšta pravila i pravila za projektovanje drvenih konstrukcija za zgrade, opšta pravila za projektovanje konstrukcija na dejstvo požara i projektovanje drvenih konstrukcija za mostove.
Zbirka se može naručiti u prodavnici Instituta, po ceni od 3.637,00 dinara.

3,637.00 RSD



Zbirka – Evrokod 6 – Projektovanje zidanih konstrukcija
Sadržaj: srpski standardi na srpskom jeziku SRPS EN 1996-1-1:2016, EN 1996-1-2:2005, neautorizovani prevodi na srpski jezik evropskih standarda EN 1996-2:2006, EN 1996-3:2006, kao i referentni standardi SRPS EN 1996-1-2:2012, SRPS EN 1996-2:2012 i SRPS EN 1996-3:2012 na osnovu kojih su izrađeni neautorizovani prevodi.
Po izuzetno povoljnim cenama, objedinjeni na jednom mestu u tematsku zbirku, domaćim stručnjacima su ponuđeni srpski standardi za opšta pravila i projektovanje armiranih i nearmiranih zidanih konstrukcija za zgrade, opšta pravila za projektovanje zidanih konstrukcija na dejstvo požara, izbor materijala i izvođenje zidanih konstrukcija kao i pojednostavljene metode proračuna za nearmirane zidane konstrukcije.

Zbirka se može naručiti u Prodavnici Instituta, po ceni od 3.871,00 dinara.

3,871.00 RSD



Published collection of the EC 5 and EC 6 standards includes standards on Serbian language and unauthorized translations of standards.

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Current State of Eurocodes implementation at national level (8/8)

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ISS/KS U182

Stakeholders in TC:

3 Faculty, 4 Research institutions (8 members)

- Has adopted all EC 7 standards in English.
- Adoption of EN 1997-1 translation – in process
- Preparation of unauthorized translation for EN 1997-2 - in progress.
- NAs in preparation phase

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Further Development of Eurocodes

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- Priorities:
 - finish the work on unauthorized EC translations;
 - complete NAs;
 - follow further development of the existing Eurocodes as well as development of new Eurocode parts;
 - participation in development of second generation of EC by commenting working drafts of standard;

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Second generation of EC

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- Building consensus towards Enquiry working drafts
- Publication plan:
 1. Ensure to have a fully compatible suite of standards at all times for use by industry, by setting an appropriate a DoW.
 2. Schedule enquiries and formal votes so that they do not place an excessive burden on CEN members and their mirror committees, and on SCs and WGs.

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Second generation of EC

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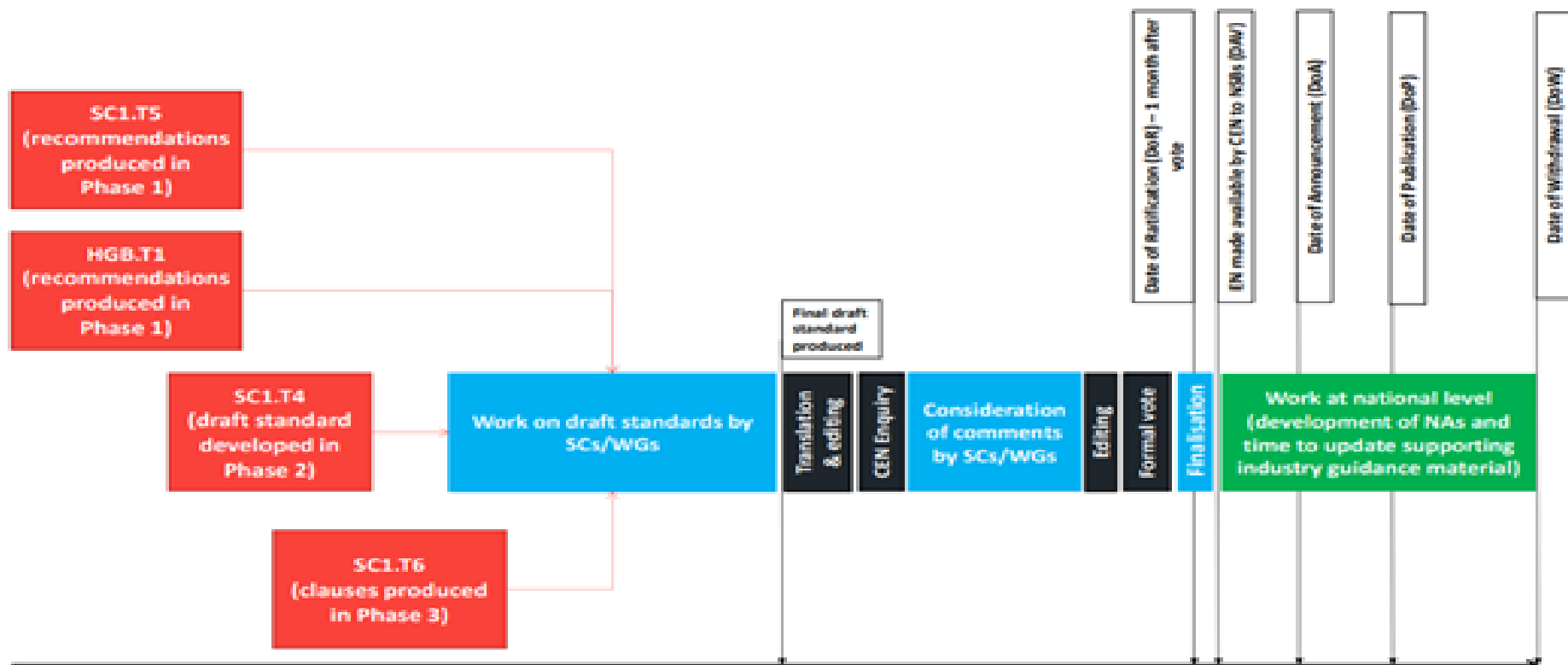
3. Ensure that sufficient time is available for managing CEN enquiry and FV and for SCs and WGs to review comments from CEN enquiry.
4. Make new Eurocode parts available to NSBs (DAV) as early as possible, whilst respecting interdependencies with other EC parts.
5. Ensure that sufficient time is available between DAV and DoP for development of National Annexes.
6. Ensure that sufficient time is available between DAV and DoW for allowing removal of national conflicting standards by NSBs and update of supporting industry guidance material.

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Example: Steps towards publication of EN 1991-1-5

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Further steps in implementation – Project

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- Implementation of EU acquis and standards related to Construction Products.
- Increasing awareness on specific topics of implementation of Eurocodes, such as concrete, by publication of specific Eurocodes handbook.
- Supporting an study on the overview of the Serbian Construction Industry Sector and the National Quality Infrastructure necessary for the transposition of the European Regulation (EU) 305/2011 into national legislation and the mandatory application of European harmonized standards.

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Thank you for your attention!

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