

UNINFO

Ente Federato all'UNI – Tecnologie Informatiche e loro applicazioni

ICT & Standardization

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1 December, 2014 - Rome





Agenda ...

- Definition of “standard”.
- Basic standard principles.
- Standardization Process.
- Who develop standards?
- UNINFO Activities.



Agenda ...

- **Definition of “standard”.**
- Basic standard principles.
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Definition of “standard” (1/3)

A couple of “friendly” definitions:

- “a conspicuous object (as a banner) formerly carried at the top of a pole and used to mark a rallying point especially in battle or to serve as an emblem”
(cfr. Merriam-Webster Online Dictionary at: <http://bit.ly/UNINFO-std01>)



Definition of “standard” (2/3)

A couple of “friendly” definitions:

- “a conspicuous object (as a banner) formerly carried at the top of a pole and used to mark a rallying point especially in battle or to serve as an emblem”
(cfr. Merriam-Webster Online Dictionary at: <http://bit.ly/UNINFO-std01>)
- “It is a technical specification which describes “the state of the art” of a product, a process or a service”



Definition of “standard” (3/3)

Formal definition from Regulation (EU) No 1025/2012 (Art. 2)

‘**Standard**’ means a technical specification, adopted by a recognised standardisation body, for repeated or continuous application, with which compliance is not compulsory, and which is one of the following:

- ‘**international standard**’ means a standard adopted by an international standardisation body;
- ‘**European standard**’ means a standard adopted by a European standardisation organisation ;
- ‘**harmonised standard**’ means a European standard adopted on the basis of a request made by the Commission for the application of Union harmonisation legislation;
- ‘**national standard**’ means a standard adopted by a national standardisation body;

Cfr: Regulation 1025/2012/EU PDF



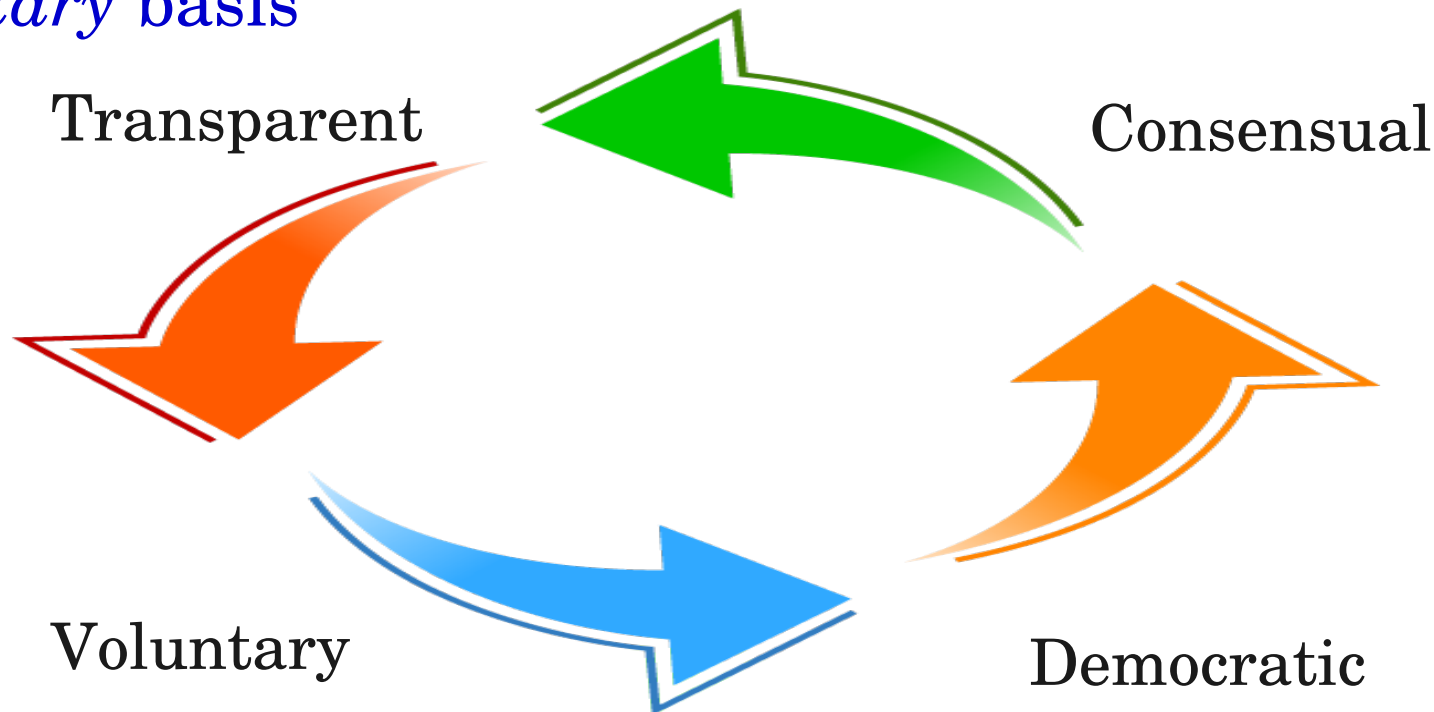
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Basic standard principles

“A standard is a document developed in a *transparent* and *democratic* way, approved by *consensus* and adopted on *voluntary* basis”





Basic standard principles ...

- **Consensual:** approval through consensus of working group members
- **Democratic:** all interested parties may participate to the task
- **Trasparent:** the SSO signals the steps of the approval process, sharing the project itself with the interested parties
- **Voluntary:** standards are the reference that all parties take on spontaneously.

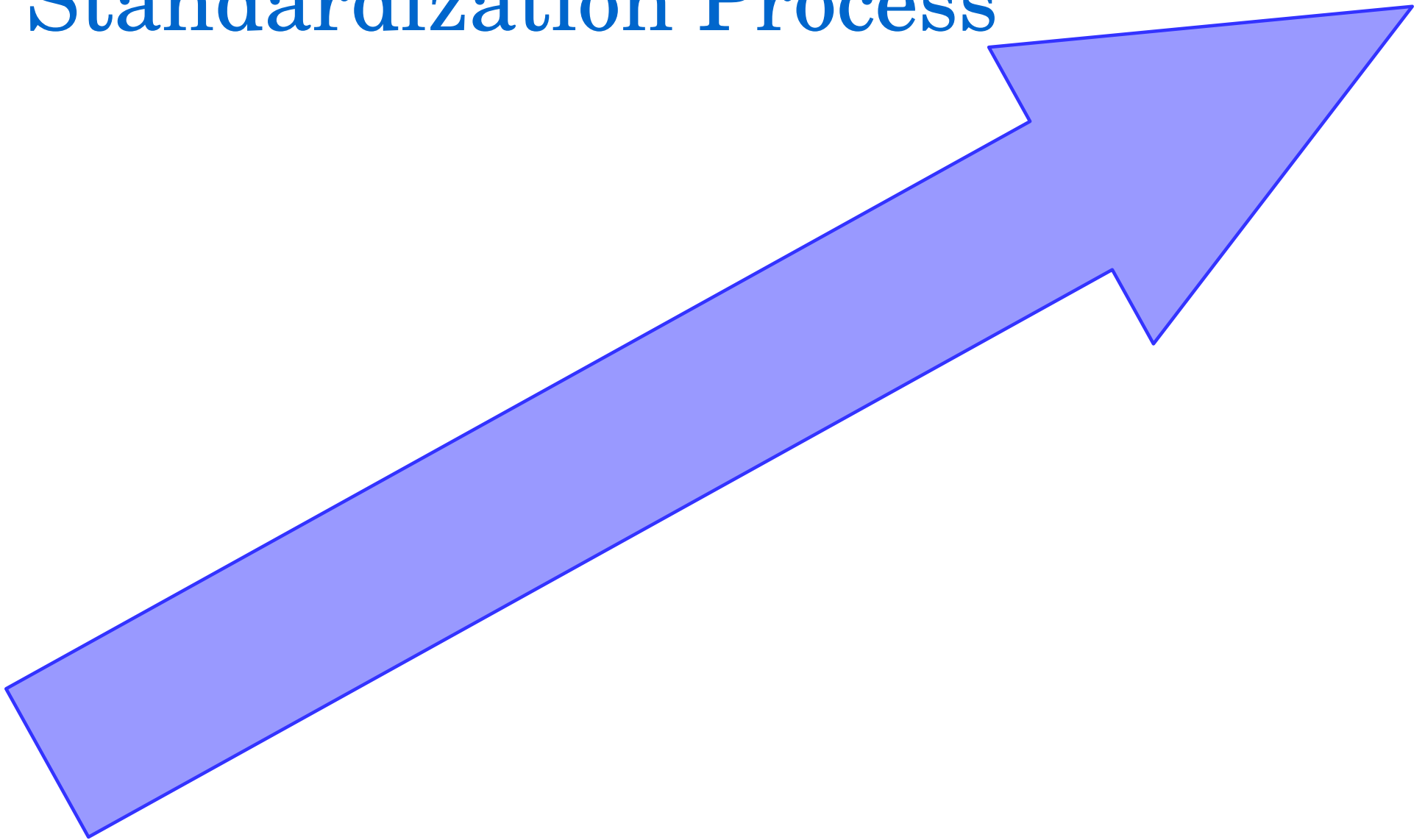


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Standardization Process





Standardization Process

A large, light blue arrow with a dark blue outline, pointing diagonally upwards and to the right. It starts from the bottom left and extends towards the top right.

“Needs”



Standardization Process

A large, light blue arrow with a dark blue outline, pointing from the bottom left towards the top right. It is positioned behind two dark blue rectangular boxes containing text.

Initial Work Item Public Ballot

“Needs”



Standardization Process

A large, light blue arrow pointing upwards and to the right, with three dark blue rectangular boxes containing text placed along its path. The boxes are positioned at the bottom left, middle, and top right of the arrow's shaft, indicating a sequential process.

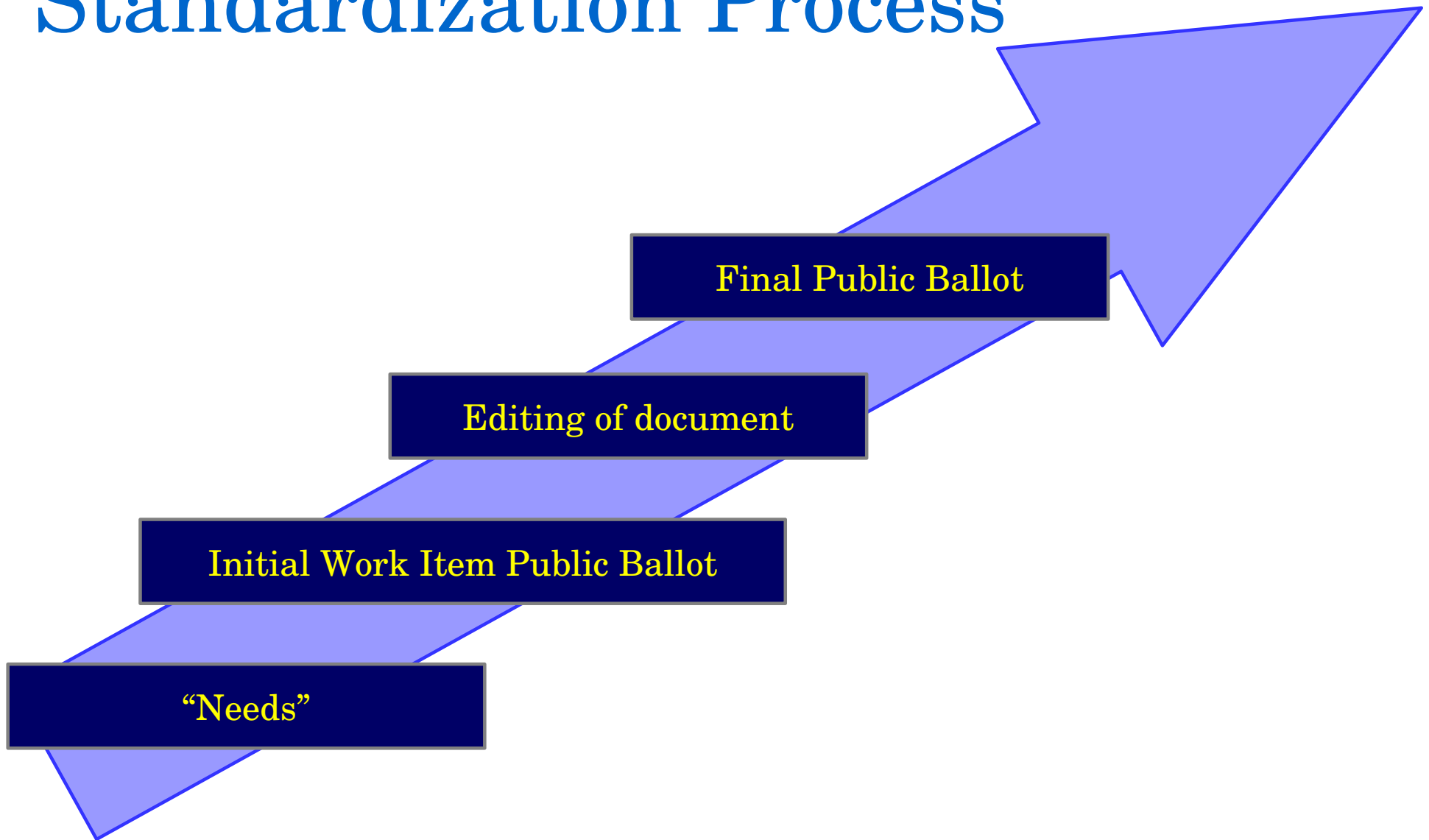
Editing of document

Initial Work Item Public Ballot

“Needs”

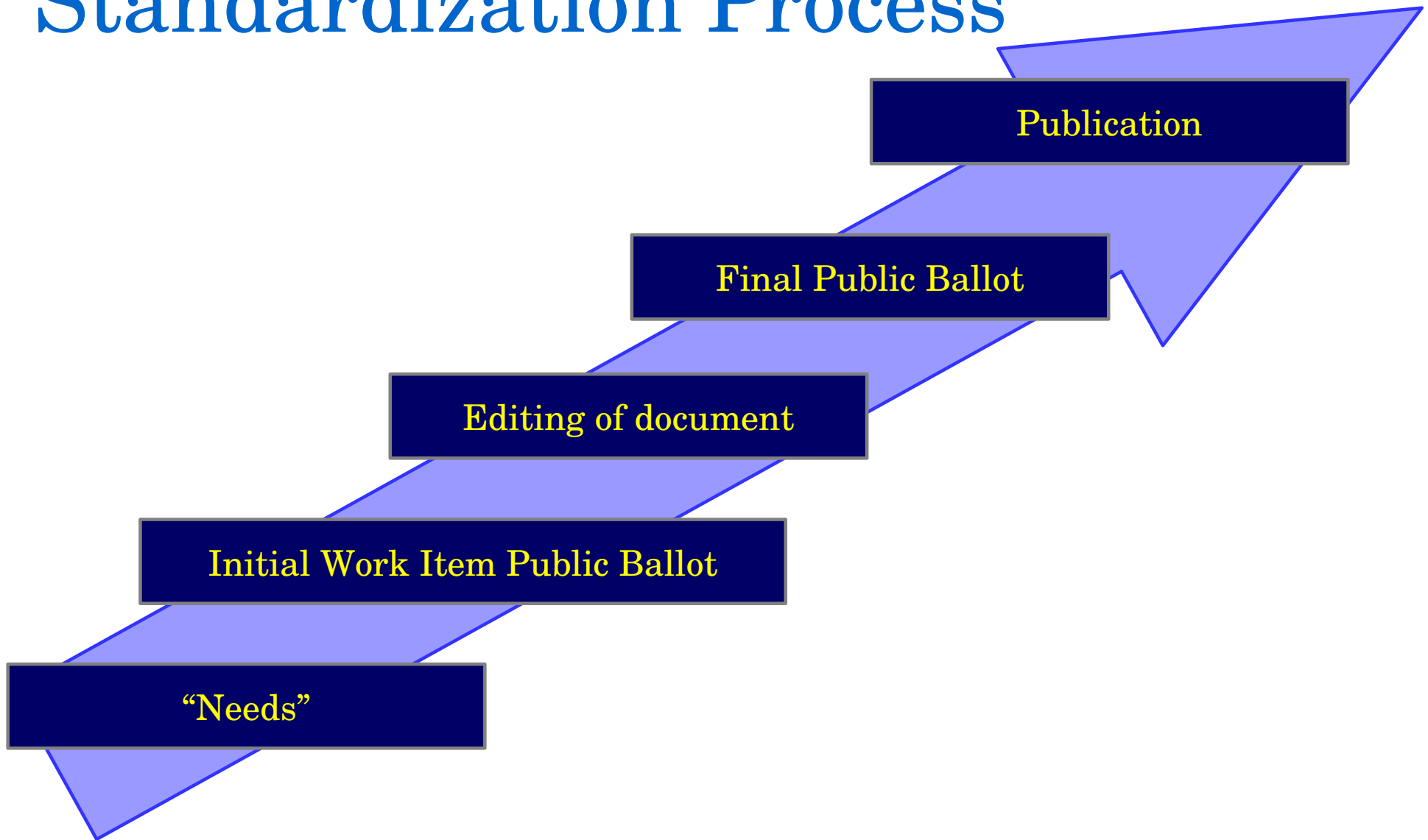


Standardization Process





Standardization Process





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Who “develops” standards?

International Standard



Who “develops” standards?

International Standard

European Standard



Who “develops” standards?

International Standard

European Standard

National Standard



Who “develops” standards?

International Standard Setting Organizations

European Standard Setting Organizations

National Standard Bodies



Who “develops” standards?

International Standard Setting Organizations

Telecommunication
ITU

European Standard Setting Organizations

ETSI

National Standard Bodies



Who “develops” standards?

International Standard Setting Organizations

Electrotechnical
IEC

Telecommunication
ITU

European Standard Setting Organizations

CENELEC

ETSI

National Standard Bodies



Who “develops” standards?

International Standard Setting Organizations

Electrotechnical
IEC

“All-others”
ISO

Telecommunication
ITU

European Standard Setting Organizations

CENELEC

CEN

ETSI

National Standard Bodies



Who “develops” standards?

International Standard Setting Organizations

Electrotechnical IEC	JTC/1	“All-others” ISO	Telecommunication ITU
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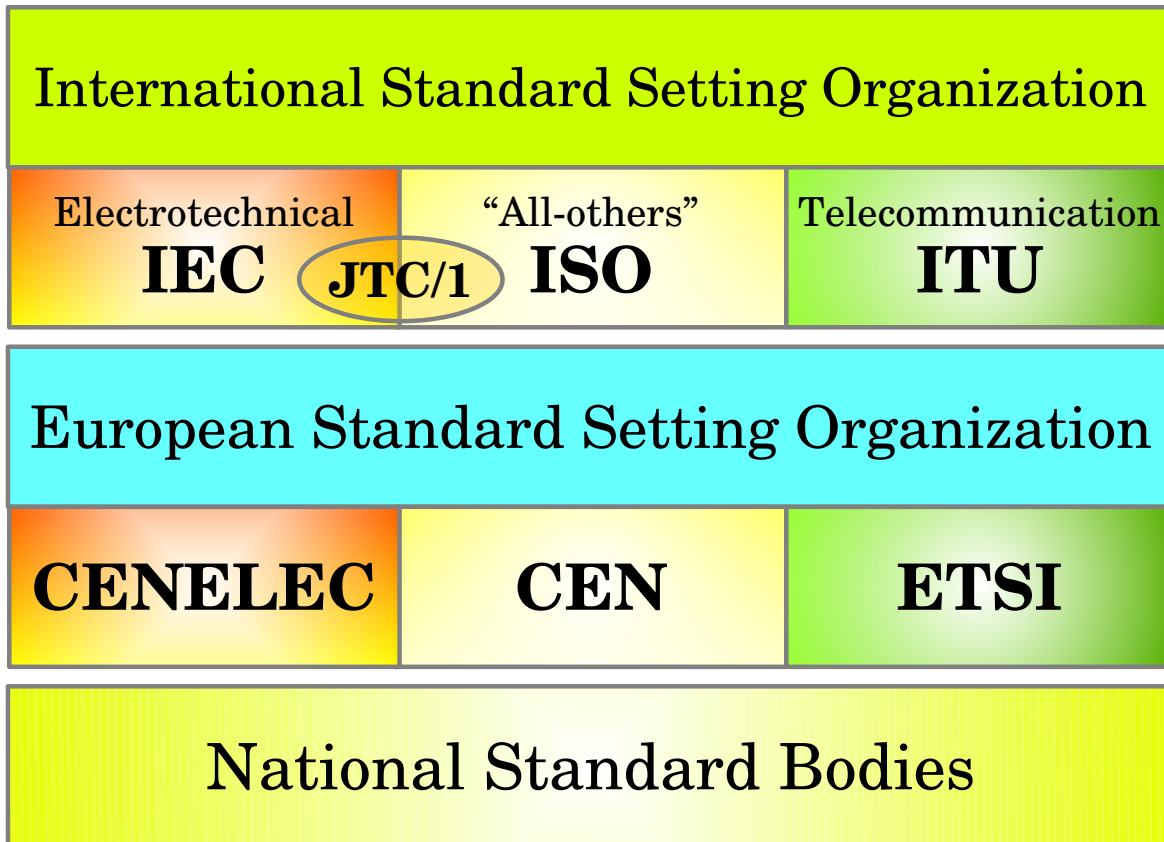
European Standard Setting Organizations

CENELEC	CEN	ETSI
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National Standard Bodies



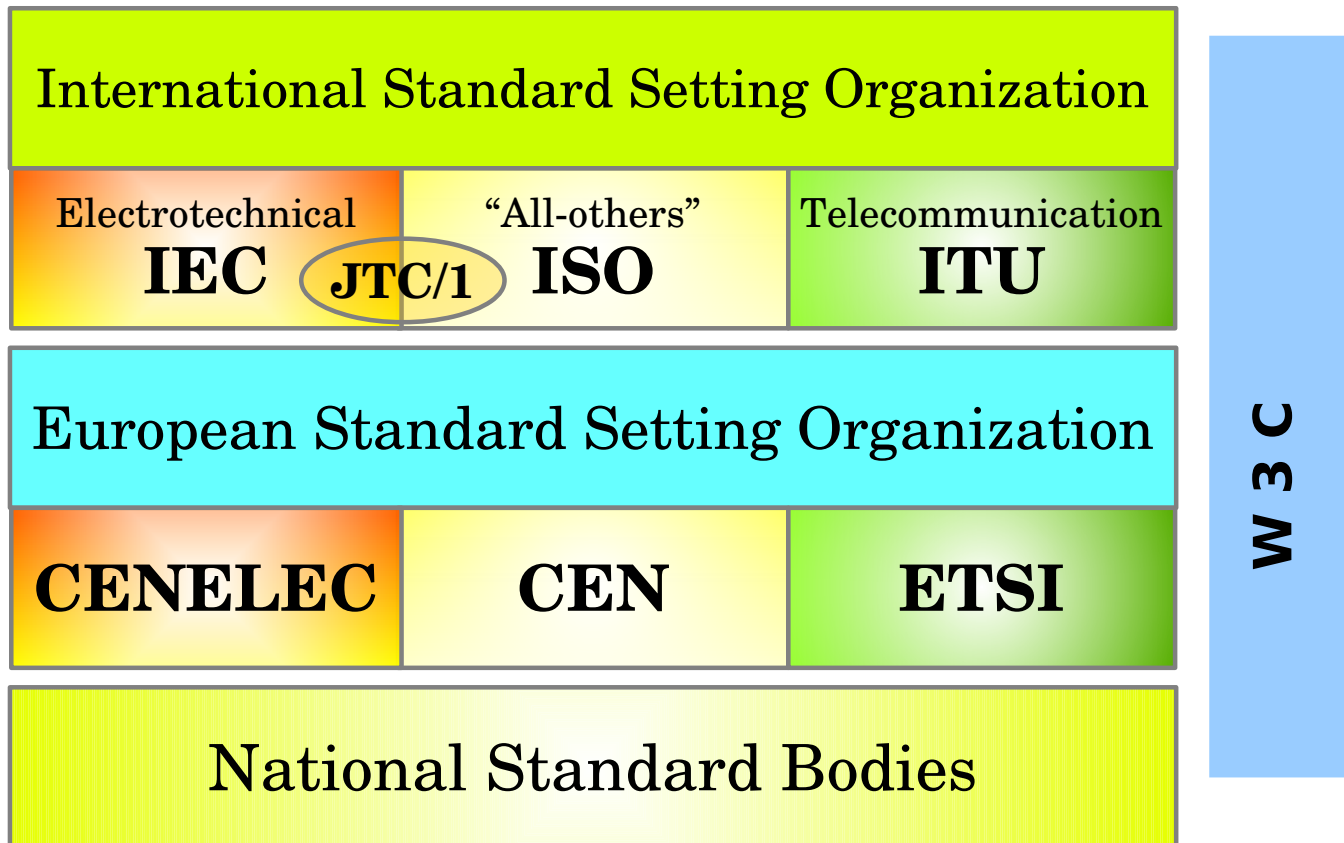
Who “develops” standards?





Who “develops” standards?

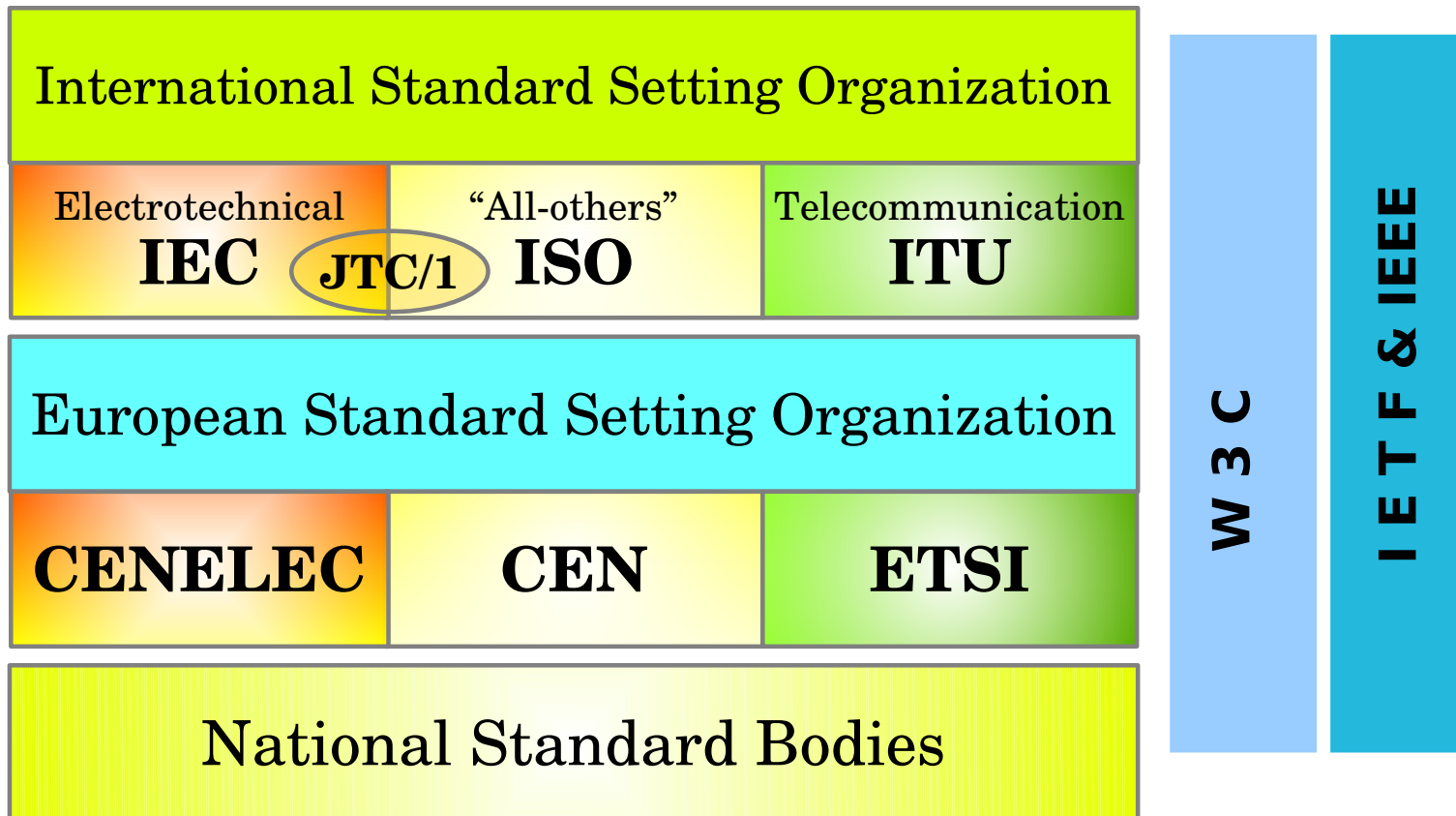
Fora and consorzia are very active in ICT





Who “develops” standards?

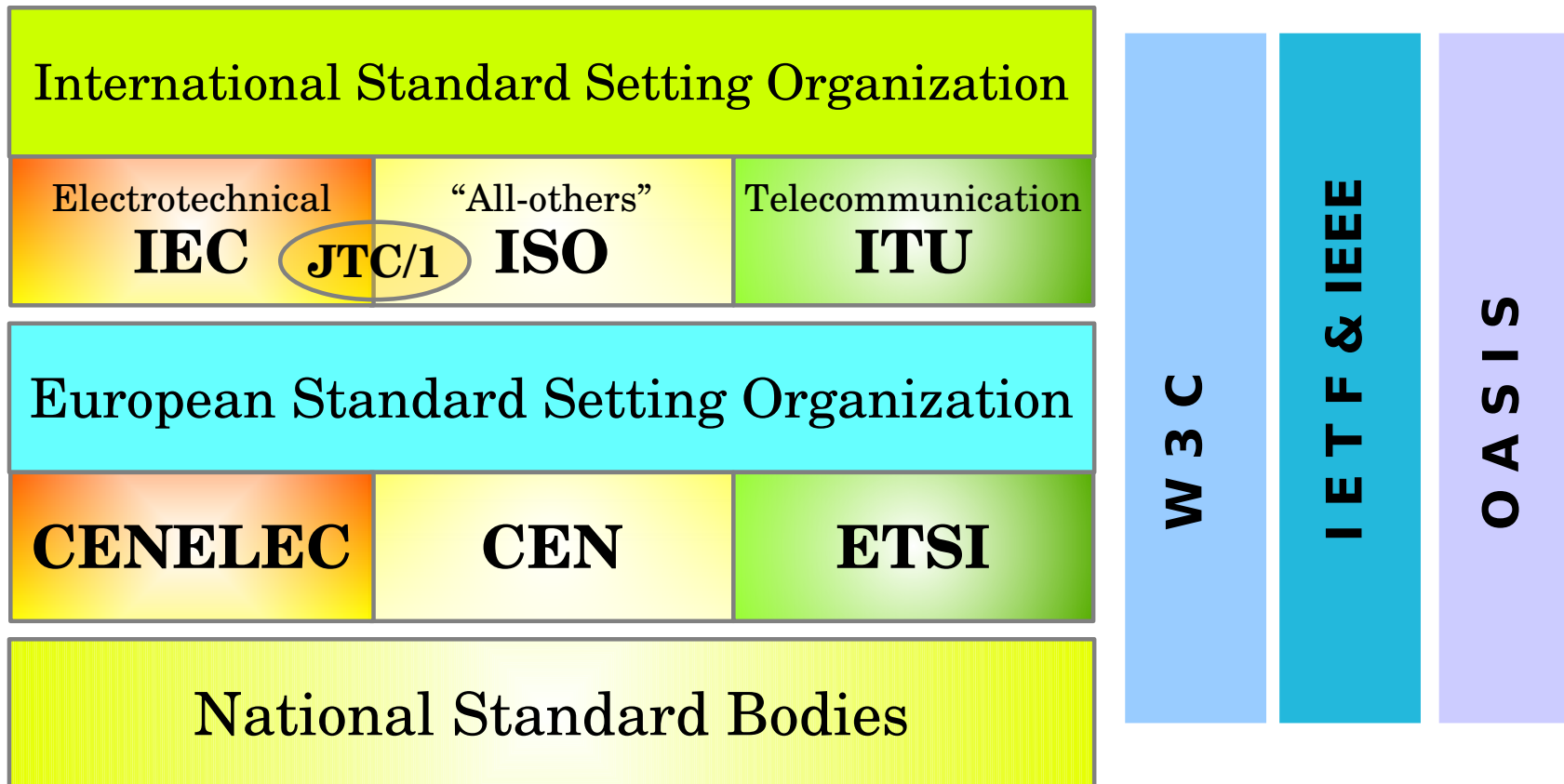
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Who “develops” standards?

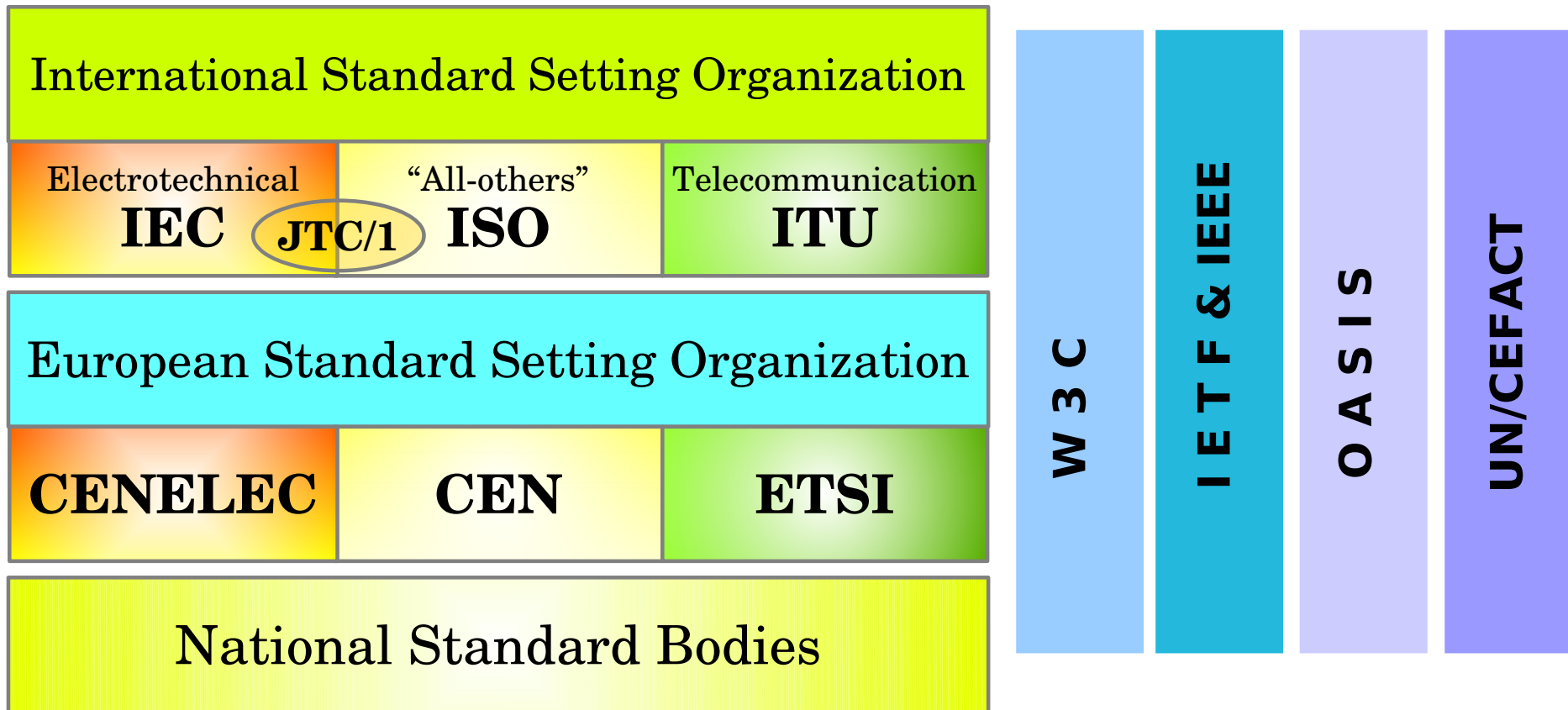
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Who “develops” standards?

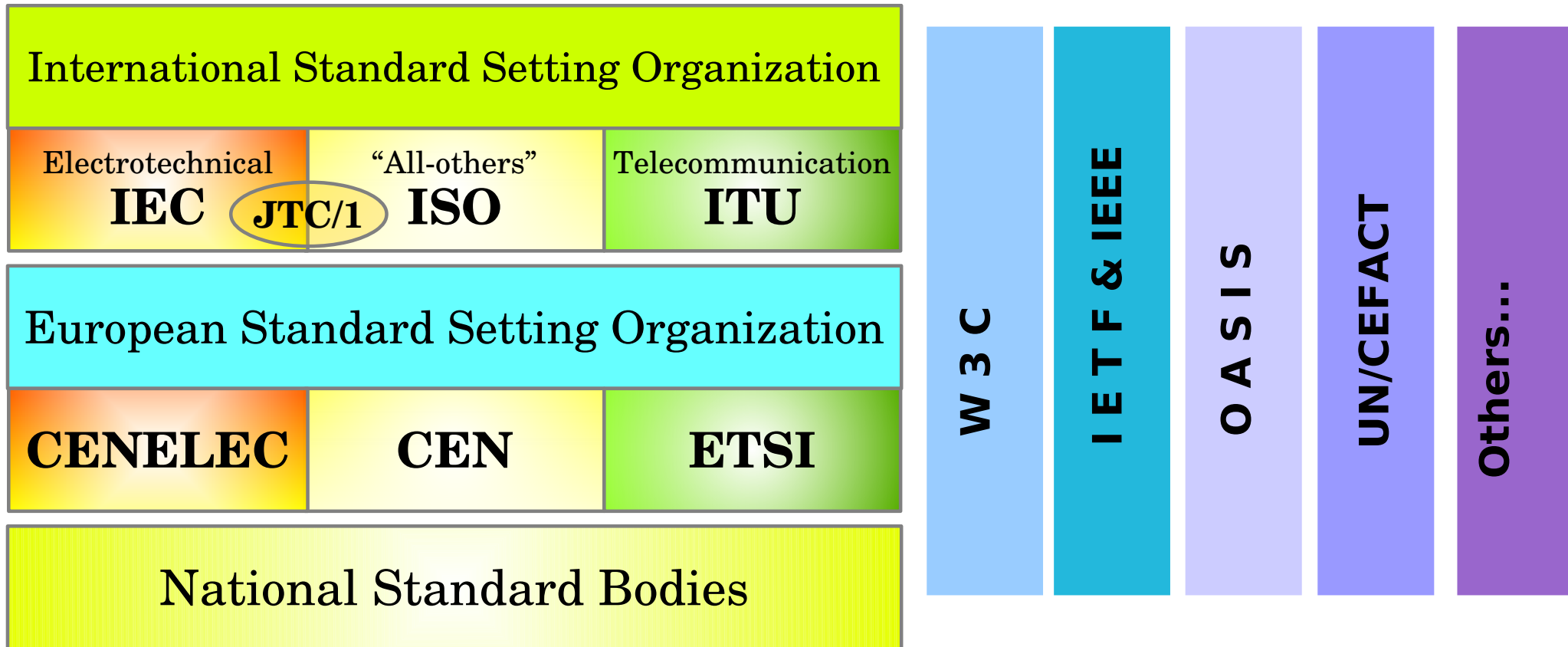
Fora and consorzia are very active in ICT





Who “develops” standards?

Fora and consorzia are very active in ICT





Who “develops” standards in Italy?

Italian National Standards Bodies, recognized at European level by CEN, CENELEC and ETSI and at international level by ISO, IEC are:

CEI → Electrotechnical

UNI → Everything else



UNI ecosystem





UNI ecosystem

CIG
Gas

CTI
Thermotechnical

CUNA
Automotive

UNICHIM
Chemicals



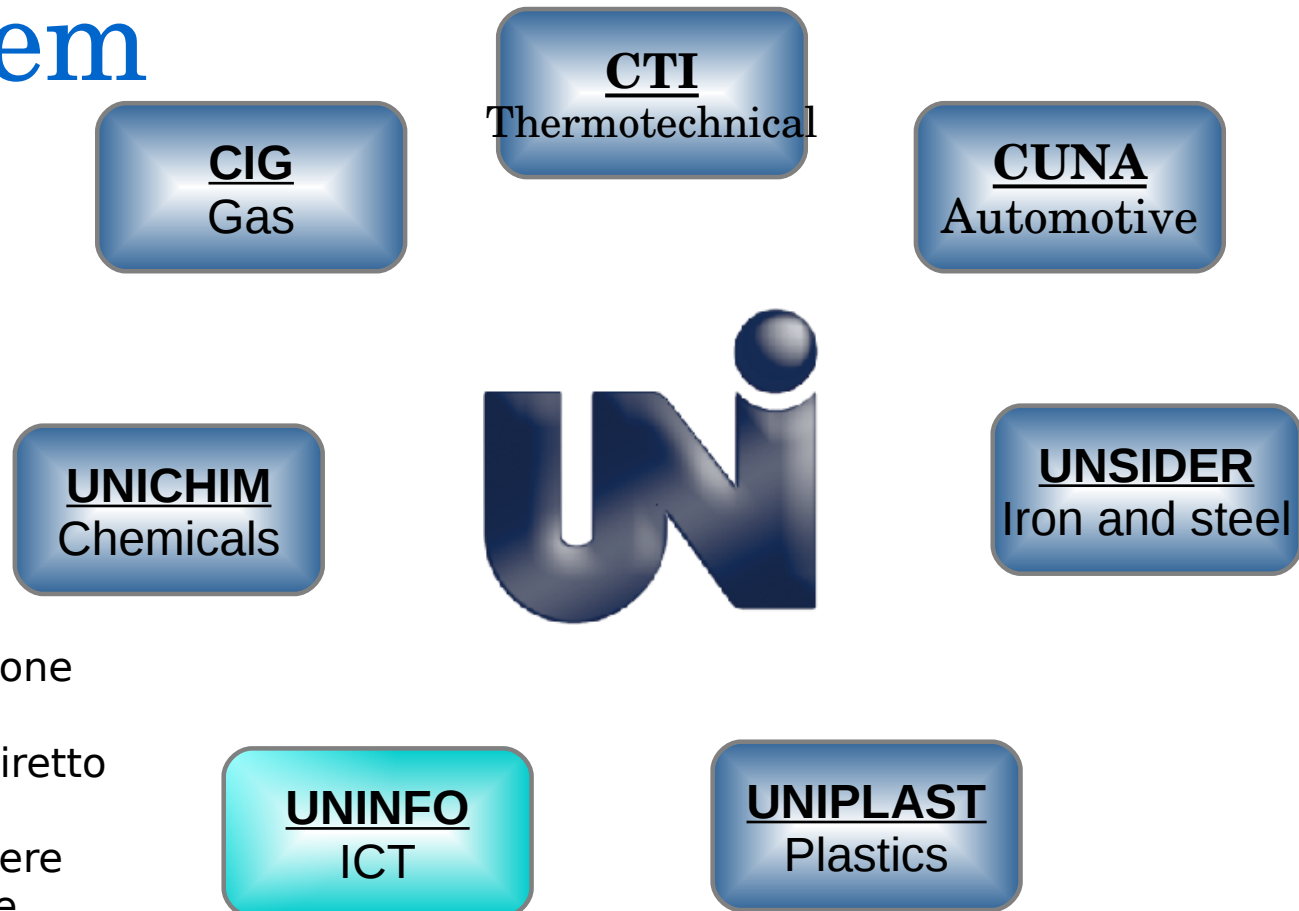
UNSIDER
Iron and steel

UNINFO
ICT

UNIPLAST
Plastics



UNI ecosystem



“**UNINFO** è una libera Associazione a carattere tecnico-scientifico e divulgativo senza fine di lucro (diretto o indiretto) che si prefigge di promuovere, realizzare e diffondere la normazione tecnica nel settore delle tecnologie dell'informazione e delle comunicazioni (in breve ICT) e delle loro applicazioni, sia a livello nazionale che europeo ed internazionale.”

Estratto dallo Statuto **UNINFO**

ICT standardization | Mimmo Squillace | CBI 2014 | 1 December 2014



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UNINFO activities

- eHealth
 - CEN TC/251 and ISO TC/215 mirrors
- Software and Data Quality
 - ISO/IEC IS 25012 and 25024
- ITS- Intelligent Transportation System
 - EN 15509 EETS – aka Telepass in Italy
 - Intelligent Traffic Lights and Signs



UNINFO activities ...

- Coding of audio, picture, multimedia and hypermedia information
 - MPEG
- Document description and processing languages
 - For instance: ODF (ISO/IEC IS26300), OOXML (ISO/IEC IS29500) and EPUB



UNINFO activities ...

- IT Security
 - JTC/1 SC27 “IT – Security Techniques”
 - ISO/IEC IS 270xx series
 - FIS - “Firme, Identità, Sigilli e relativi servizi”
 - Electronic Signature
 - Digital ID
 - Smart card



UNINFO activities ...

- **Attività Professionali non Regolamentate:
Figure Professionali operanti nel settore ICT**
 - Professionista WEB
 - Profili professionali relativi alla sicurezza informatica
 - ...



UNINFO activities ...

- “eBusiness e Servizi finanziari” (TC eBSF)
 - Electronic Invoice
 - CEN PC 434 “Electronic Invoice”
 - Financial Services
 - ISO TC 68
 - Processes, data elements and documents in commerce, industry and administration
 - ISO TC 154



TC eBSF in UNINFO

"eBusiness" and "Financial Services" committees was merged in a single TC in May 2013 in order to:

- increase coordination and stakeholder involvement
- optimize the resources



Why TC eBSF in UNINFO?

- Existing Financial Services Standards and eBusiness Standards must be compatible
- Stakeholders for eBusiness and Financial Services are mostly the same
- Need a mirror of newborn CEN eBusiness Coordination Group
- Need a single interface with national Multi Stakeholder forum on eInvoice



Many thanks ...

Happy to discuss questions, thoughts, ideas, suggestions ...

For info: Segreteria UNINFO uninfo@uninfo.it

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