

Standards development process



standard

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International
Electrotechnical
Commission

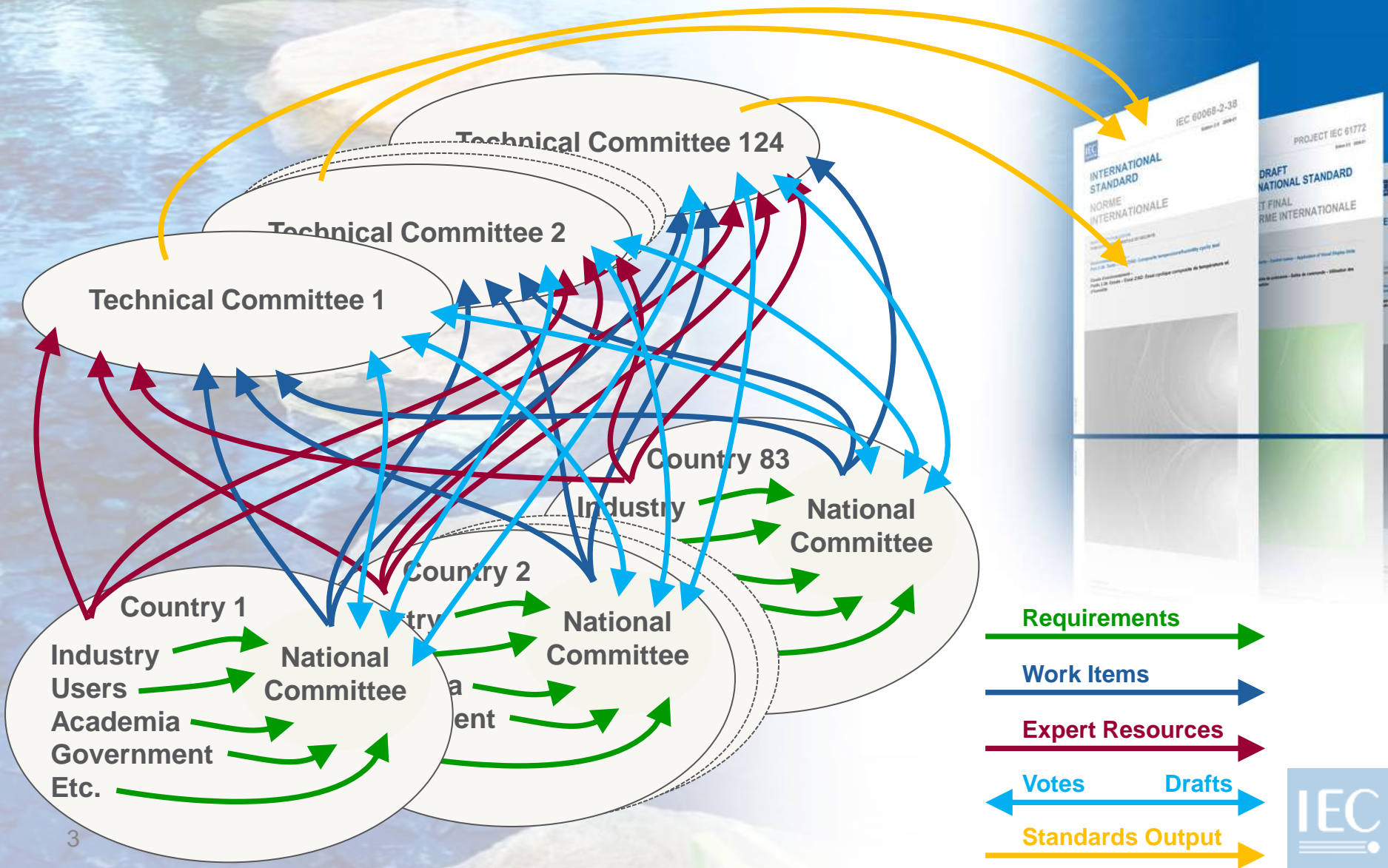
Development of international standards

Governing principles:

1. **Transparency**
2. **Openness**
3. **Impartiality and consensus**
4. **Efficiency and relevance**
5. **Coherence**
6. **Address the concerns of developing countries**

(Based on World Trade Organization document [G/TBT/1/Rev.12](#), January 2015)

International Standards workflow



Example of IS Development

TC 59, Performance of household and similar electrical appliances

IEC 62849: Performance evaluation methods of mobile household robots

Project start

First step to initiate an IS project:

Vote on the NP **(New Work Item Proposal)**

- The document is usually prepared by a P-Member
- The Secretary reviews and forwards to the CO
- The CO circulates and opens the vote system
- The P-Members vote and nominate experts

NP Approval: Two-Thirds majority and 5 Experts

NP ballot time: 12 weeks (can be shortened to 8 weeks by Committee decision, and to 4 weeks if only the table of content is attached)

RVN deadline: 4 weeks after NP ballot closing

CO: Central Office

59/587/NP

59/591/RVN

Consensus building

The experts of the Working Group develop the draft (WD).

When the **draft** is mature it is submitted to the National **Committees** for comments:

Commenting on the CD (Committee Draft)

- The project leader provides the draft to the Secretary
- The Secretary reviews and forwards to the CO
- The CO circulates and opens the vote system
- The P-Members provide comments

Commenting period: 8, 12, or 16 weeks (TC decision)

Deadline for the CC: 4 weeks after closing of the CD ballot

59/623/CD

59/635/CC

First vote

When the **draft** is mature it is submitted to the National **Committees** for comments **and vote**

Commenting and vote on the CDV (Committee Draft for Vote)

- Draft prepared by the project leader and sent to the CO by the TC Secretary
- The draft is translated (6 weeks) and then circulated
- Vote & Commenting period: 12 weeks
- Acceptance criteria:
 - Two-thirds majority of the votes cast by the P-members
 - Not more than one-quarter of negative votes
- Deadline for RVC: 12 weeks after closing of the CDV ballot
- If **no technical changes** are needed, the project may proceed directly to publication

59/636/CDV

59/647/RVC

Final vote

The WG prepares the FDIS (Final Draft International Standard) which is submitted to the National **Committees** for **vote only**

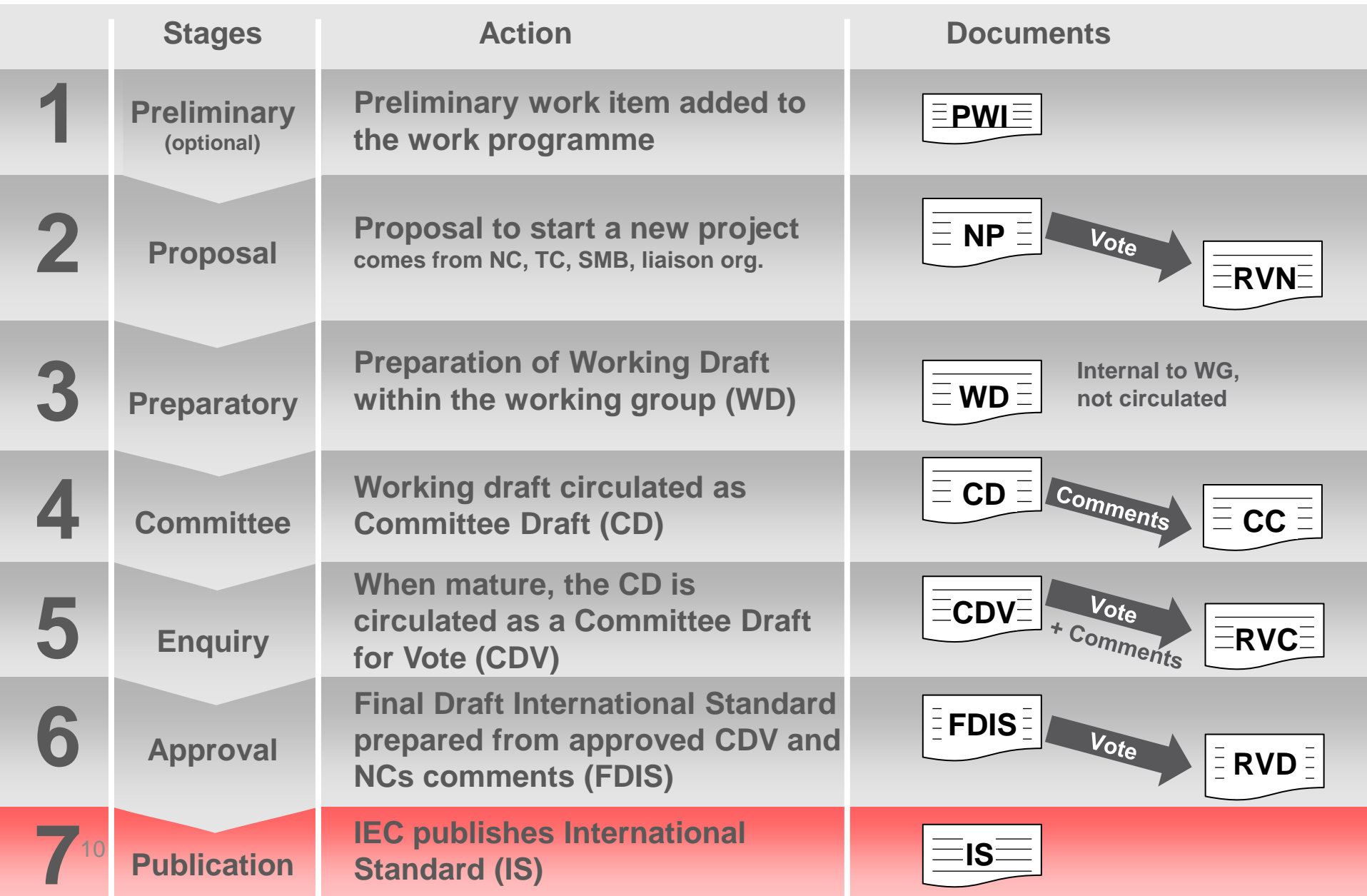
Vote on FDIS **(Final Draft International Standard)**

- Draft prepared by the project leader and sent to the CO by the TC Secretary
- Voting period: 6 weeks
- Acceptance criteria:
 - Two-thirds majority of the votes cast by the P-members
 - Not more than one-quarter of negative votes
- All negative votes shall be justified by technical reasons
- Deadline for RVD: 2 weeks after closing of the FDIS ballot

Publication !!



The 7 Stages of Standards Development



IEC abbreviations

PWI

Preliminary Work Item

NP

New Work Item Proposal

RVN

Result of voting on new work item proposal

WD

Working Draft (internal to the WG)

CD

Committee Draft

CC

Compilation of Comments

CDV

Committee Draft for Vote

RVC

Result of voting on committee draft for vote

FDIS

Final draft international standard

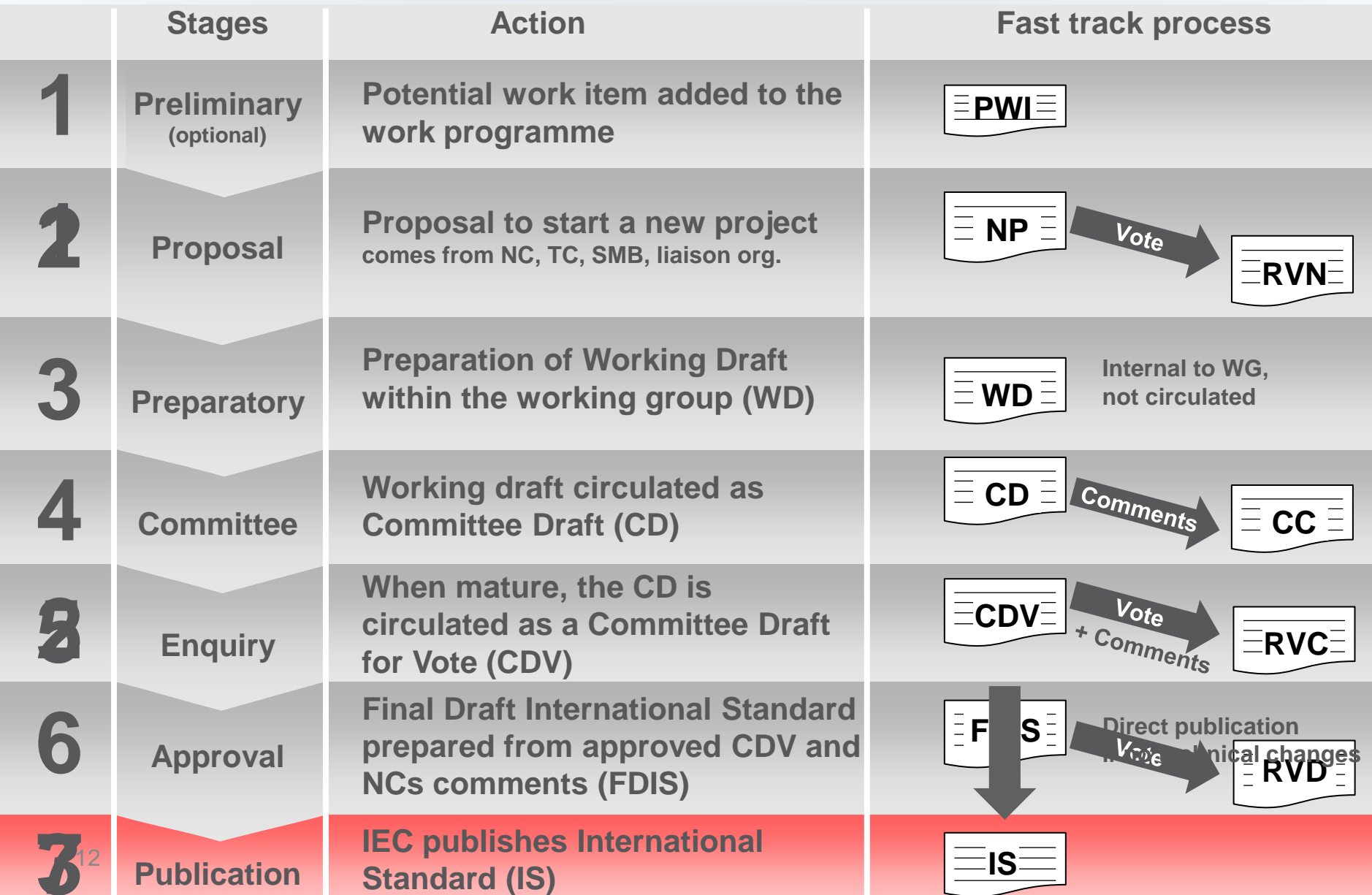
RVD

Report of voting on final draft international standard

IS

INTERNATIONAL STANDARD

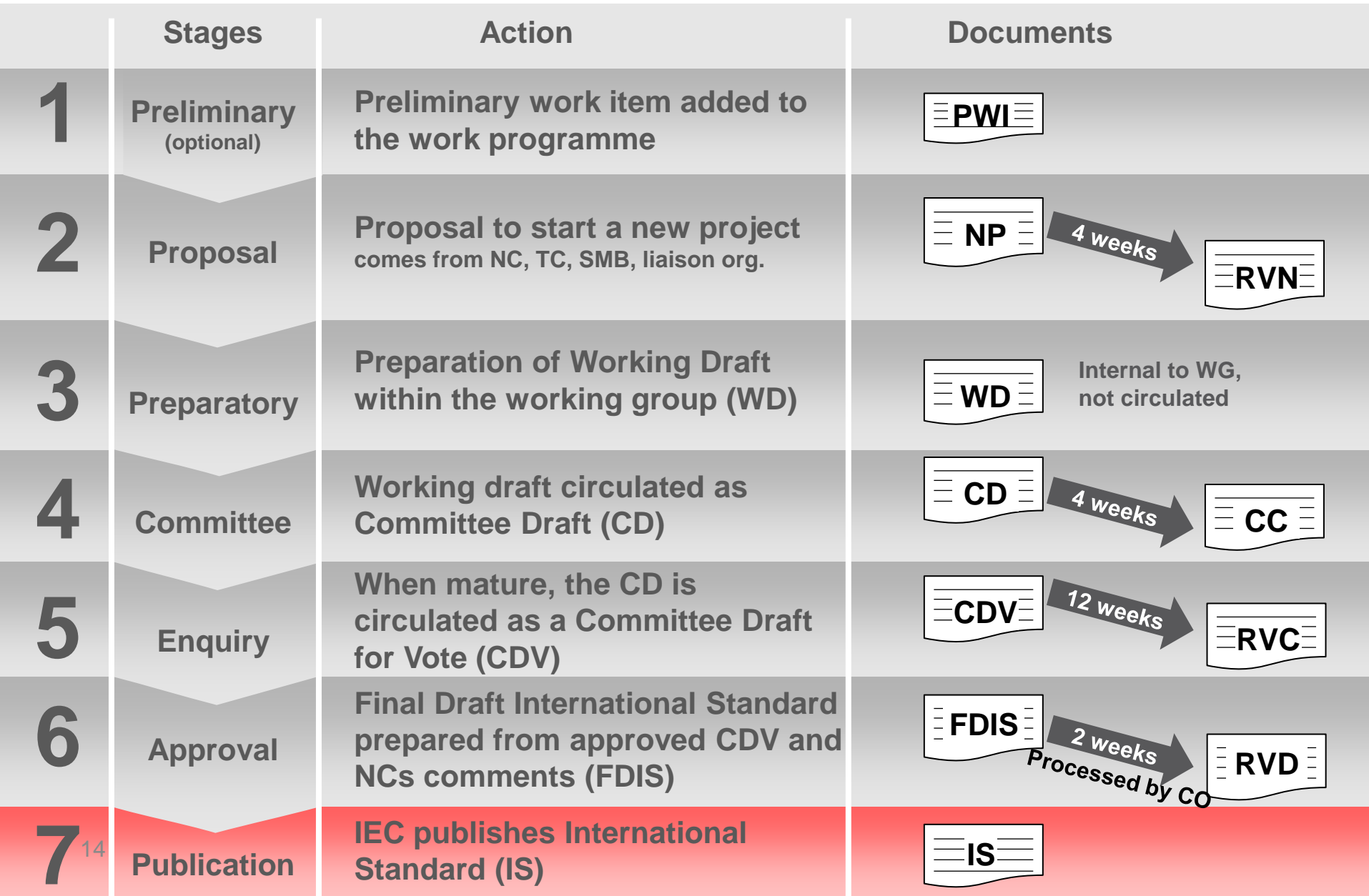
Fast-track Processes



Maximum times for CD, CDV, FDIS

	Stages	Action	Time limits
1	Preliminary (optional)	Potential work item recorded or maintenance survey	
2	Proposal	Proposal to start a new project or Review Report for maintenance	
3	Preparatory	Preparation of Working Draft within the working group (WD)	<p>Circulation of RVN</p> <p>12 Months</p> <p>24 Months</p> <p>33 Months</p> <p>36 Months</p>
4	Committee	Working draft circulated as Committee Draft (CD)	
5	Enquiry	When mature, the CD is circulated as a Committee Draft for Vote (CDV)	
6	Approval	Final Draft International Standard prepared from approved CDV and NCs comments (FDIS)	
7 ¹³	Publication	IEC publishes International Standard (IS)	

Maximum times after ballot closing



Thank you !



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