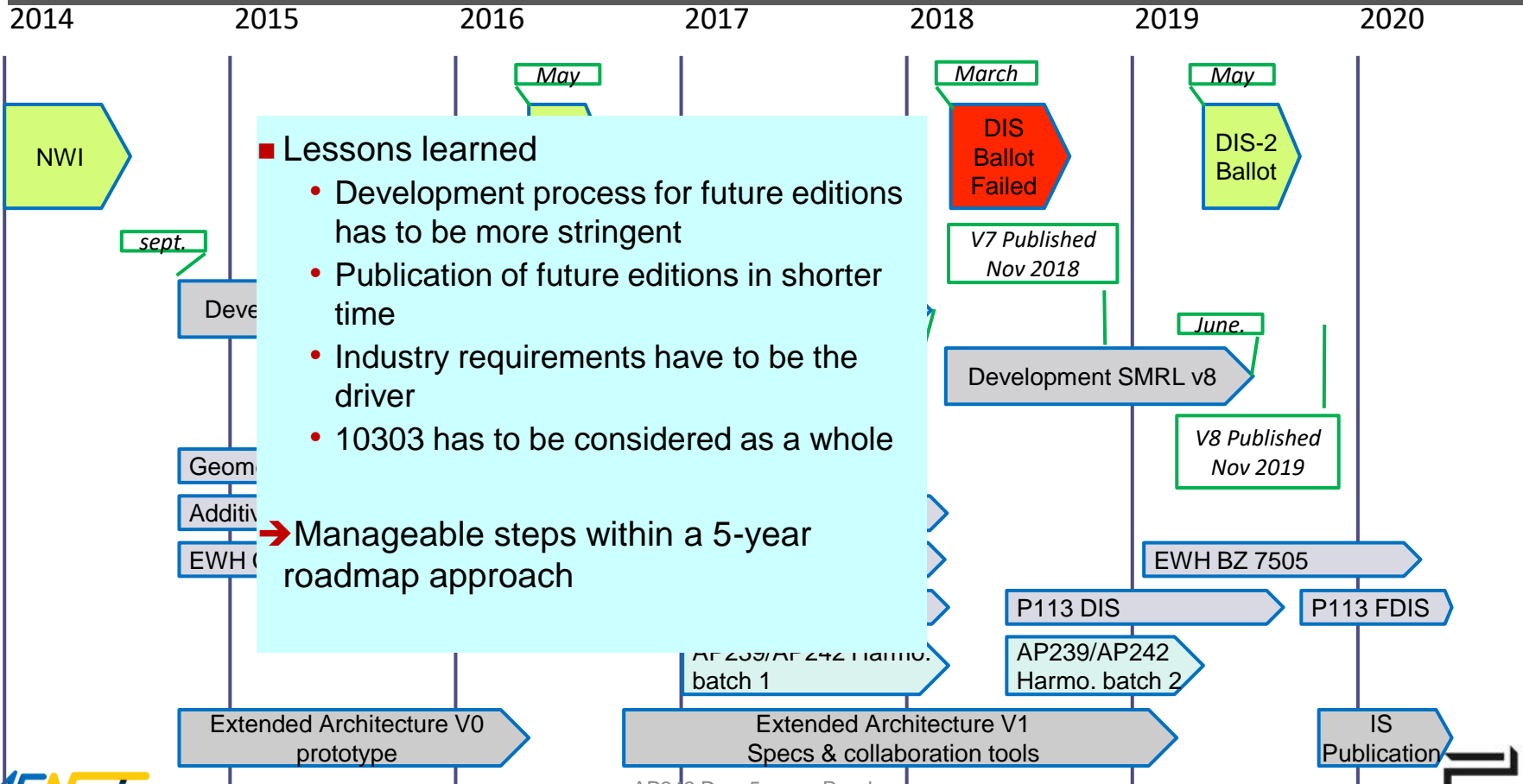
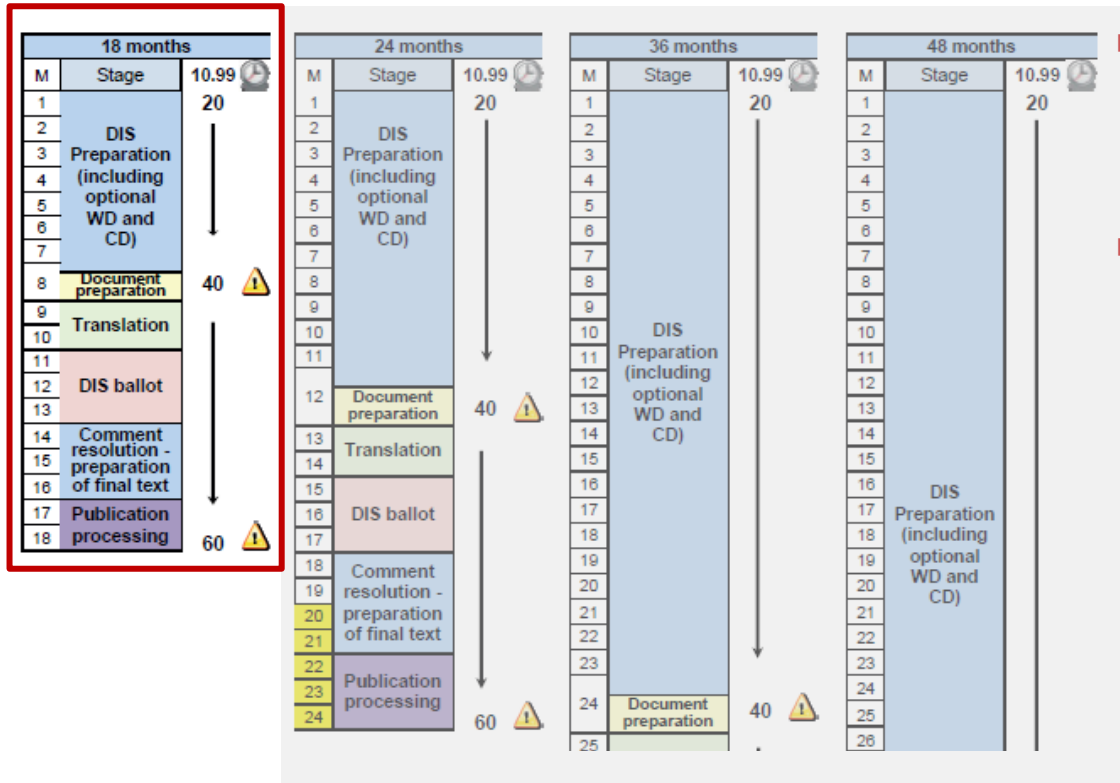


Industry Requirements for ISO 10303 5 Years Roadmap – The Way Towards STEP AP 242 Edition 3

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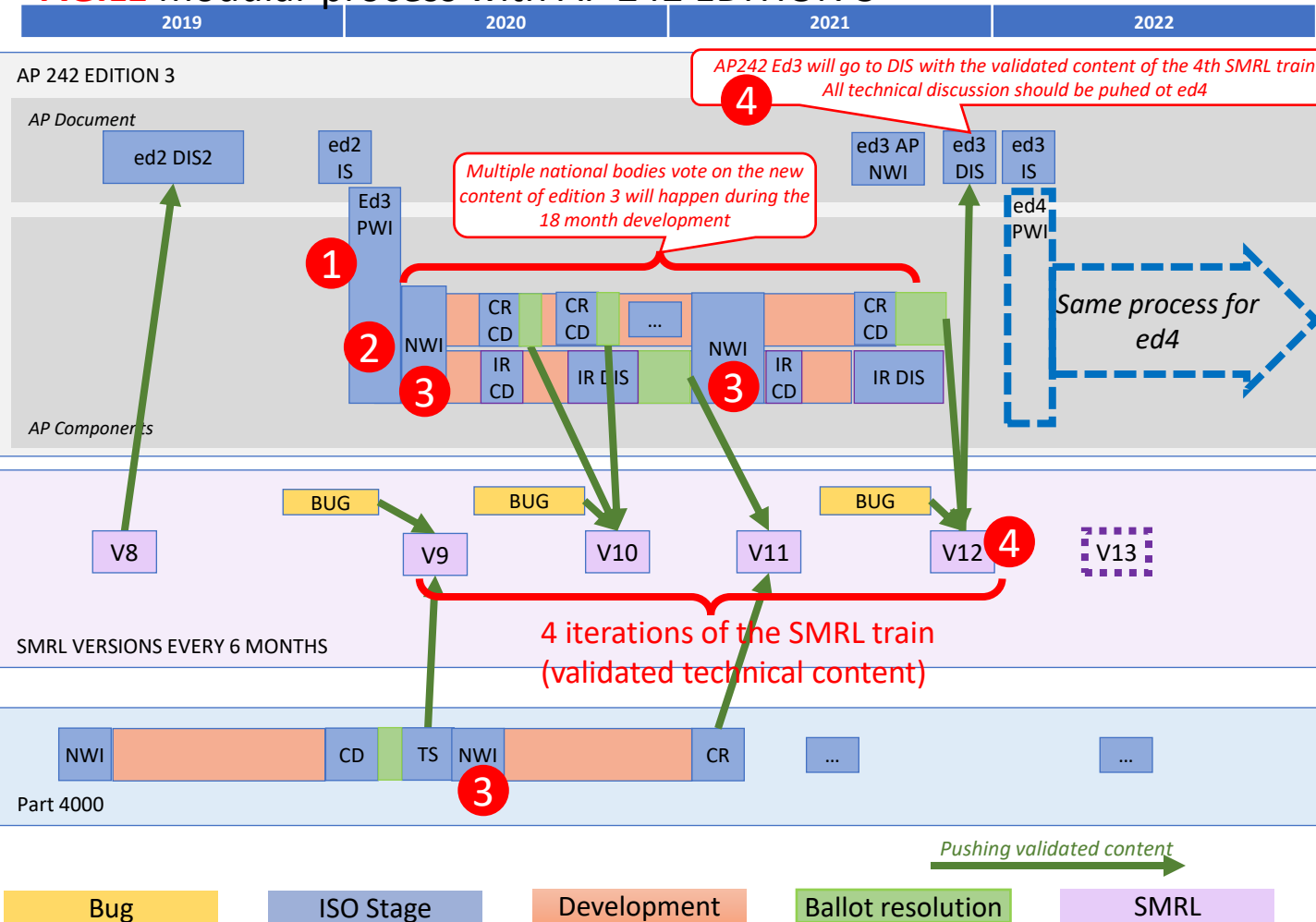
AP242 ed2 and dependencies schedule





- Shortest track offered by ISO chosen
 - 18 month from NP approval to publication
- Scope driven by the schedule and prioritized industry requirements

AGILE modular process with AP 242 EDITION 3



1. Collecting input for the 5Yroadmap matrix from NBs, Liaisons and other parties
2. Compilation of PWI
3. Launch NWIs for new content and develop/publish Edition 3 within 18 month timeframe
4. Got to ed3 DIS with already validated content

AP242 roadmap topics requirements		
category	topic	Solution Concept (3 sentences Max (probleme statement anything which will help an decomposed
		Need to provide a better defin Col C and Col D
Design	Digital Twin - Formal statement of what we mean by Digital Thread and by Digital Twin, especially as it applies to data exchange requirements - Stage model PMI - Mfc. Approach - On-machine measurements - Error processing. What is the feedback. How can that be leveraged to adjust the tool	
Design	Semantic Part and Assembly PMI in Domain Model - promote uage of assembly PMI in AP242 XML instead of inventing it directly in multiple	
Design	Geometry Product Specification (GPS), ISO 1101 & ISO 23247, NWI approved, Digital Manufacturing Twin Framework - PMI for metrology to confirm or validate realized shape of the part	
design	enhancement of additive manufacturing design	Provide additionnal functionalities, such as: - Heterogeneous material - Representation Lattice structures - Multiple build direction - Machine Build Parameter
design	- Casting part	
design	- Forging part	
design	- Sheet metal part	

- Collect requirements from industry, user groups, implementor groups, ISO 10303 development projects
- Consolidate roadmap
- Review and prioritize
- Allocate requirements to a standardization project (e.g. AP242ed3)
- Compile and launch PWI
- Allocate resources
- Start NWI