SMPTE Specifications

IMF Central @ HPA 2018

21 February 2018
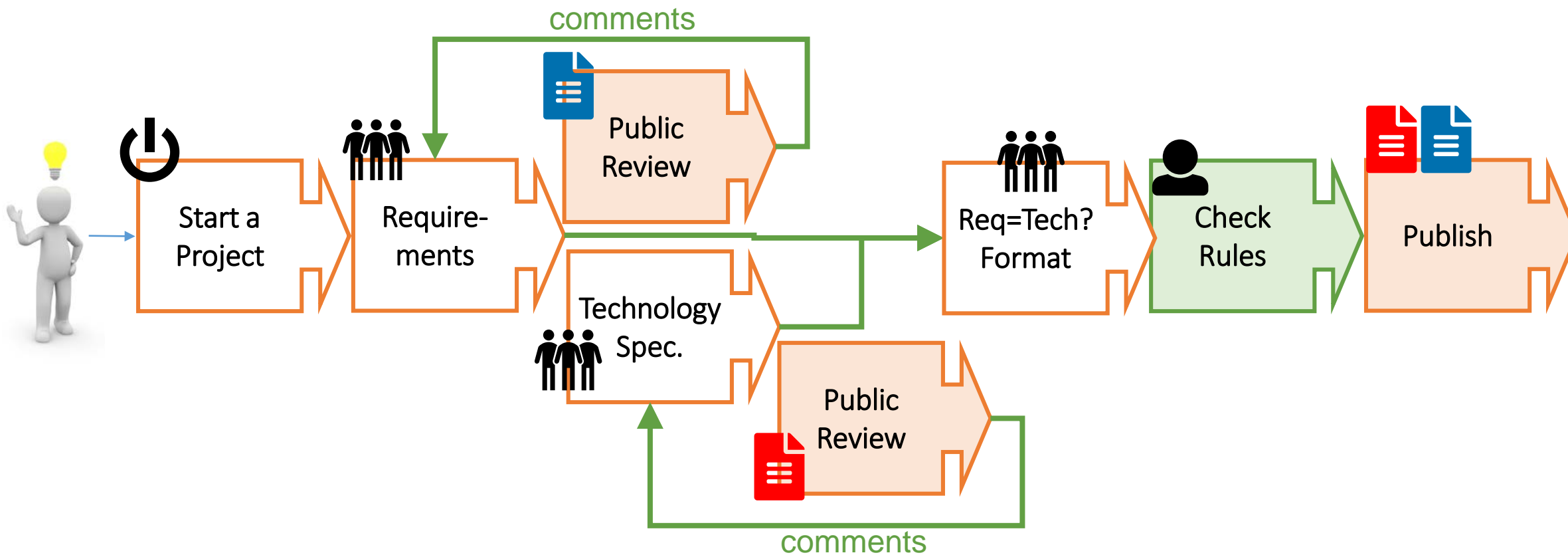
THE NEXT CENTURY

Specifications in 30 seconds

Specifications vs. Standards

Specifications typically…

- Often time limited technology solution
- Foster emergence of new technologies
- Support A Specific Workflow
- Constrain a larger standard
- Enhance a standard for a niche
- Prototype new workflows / technology
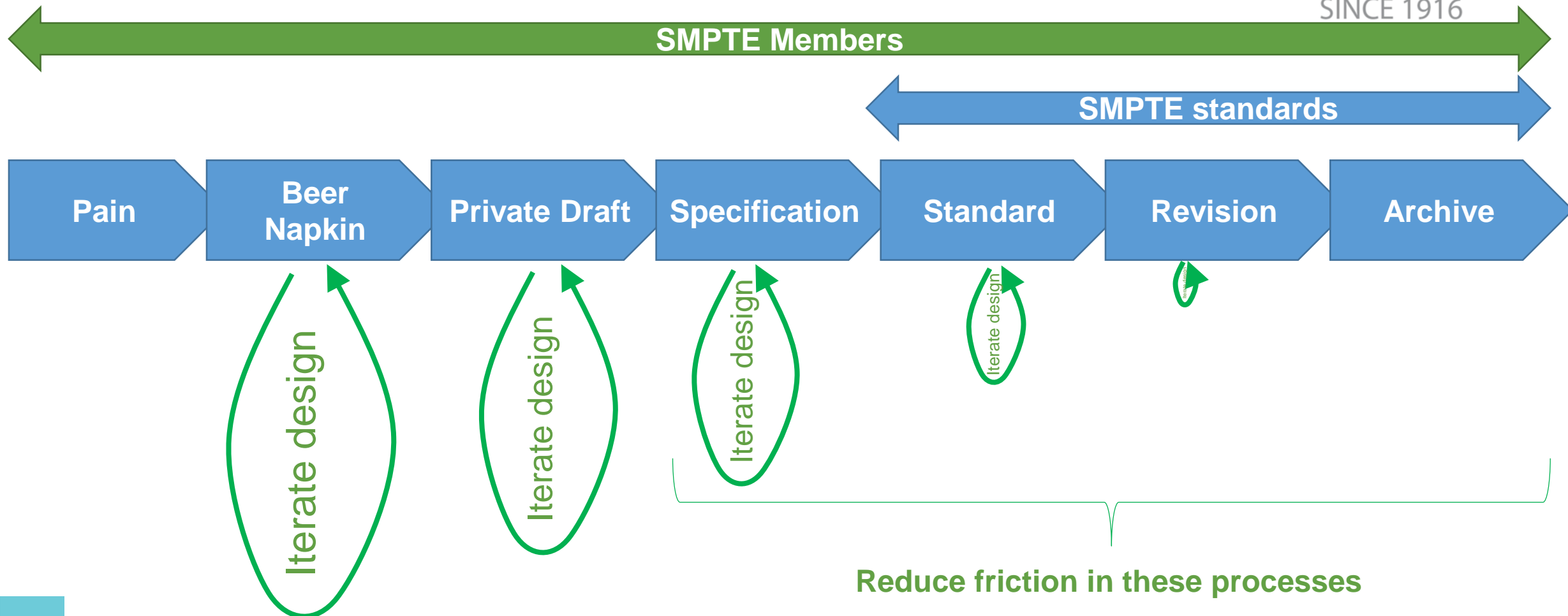- Closed group of interested parties.

Standards typically…

- Long term stable technology
- Stabilise and scale new technologies
- Support For Many Workflows
- Highly interoperable systems
- Core technology to connect niches
- Stabilise technologies for wide deployment
- Open participation in the process

THE NEXT CENTURY

The germination of a big idea…

SMPTE — SINCE 1916

SMPTE Members

SMPTE standards

Pain → Beer Napkin → Private Draft → Specification → Standard → Revision → Archive

Iterate design

Iterate design

Iterate design

Iterate design

Iterate design

Reduce friction in these processes

THE NEXT CENTURY

Documents From SMPTE

	ST	RP	EG	RDD	ER	SP
Defined, publicly available process	✓	✓	✓	✓	✗	✓
Contributors (**S**tandards **C**ommunity or **M**ember)	SC	SC	SC	SC	SC	M
Initiation Fee required?	✗	✗	✗	✓	✗	✓
Can be normatively referenced by a standard	✓	✓	✗	✗	✗	✗
Publicly viewable scope & progress	✗	✗	✗	✗	✗	✓
Published requirements and technology solution	✗	✗	✗	✗	✗	✓
Purchase document on IEEEXplore	✓	✓	✓	✓	✗	✗
Free document on SMPTE Website	✗	✗	✗	✗	✓	✓

THE NEXT CENTURY

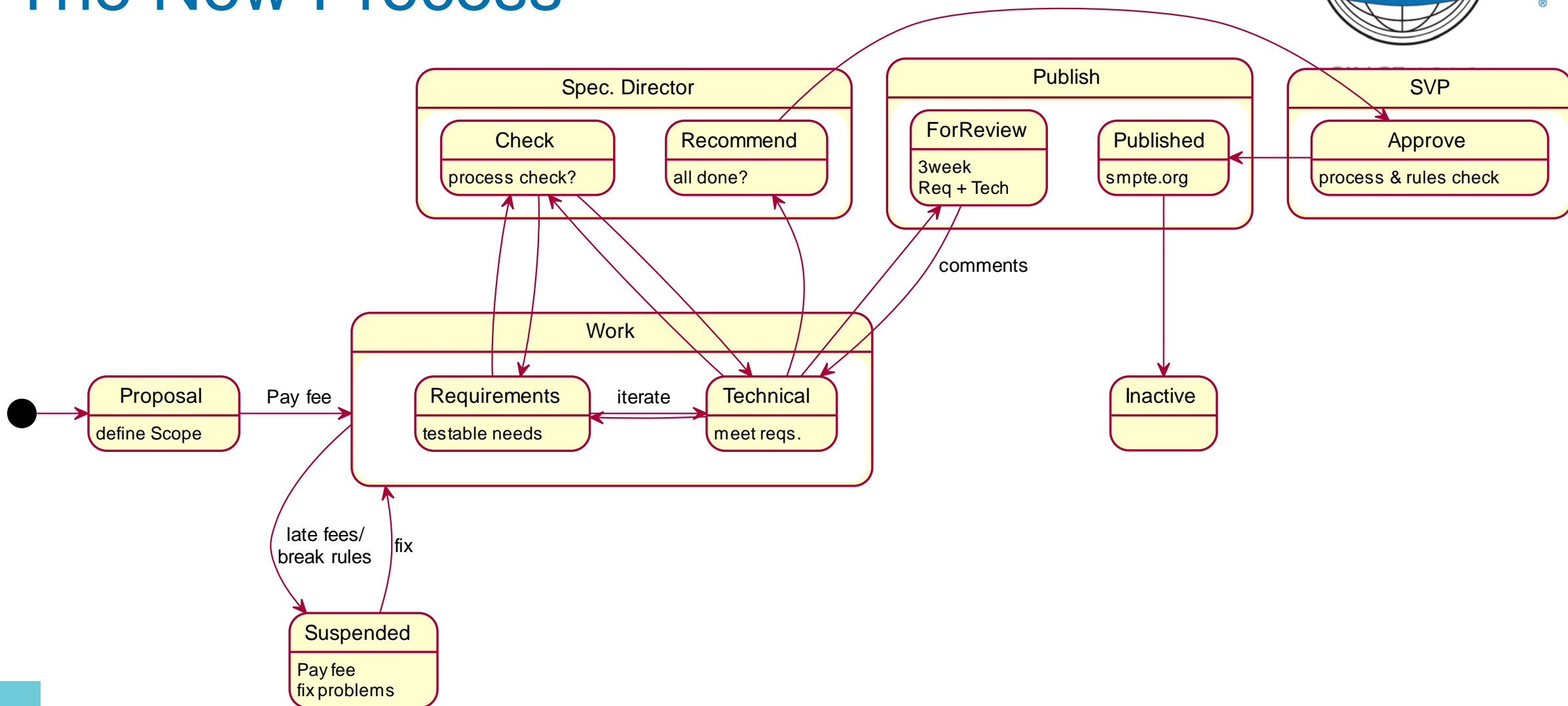# New process vs Standards Process

Specifications Process

- Anti Trust Provision
- IP Policy
- Publicly Visible Process
- Project Initiation / Sustaining Fee
- Controlled working groups
- Designed for Business Requirements
- Iterative change by design
- New Operation Manual + Guideline

Standards Process

- Anti-Trust Provision
- IP Policy
- Closed Door Process
- Member Participation Fee
- Open working groups
- Designed for Robust Standards
- Hard to change by design
- Operation Manual + Guidelines

THE NEXT CENTURY

The New Process

SMPTE Specification process

SMPTE & DPP Trial

- Action
  - Test with DPP & NABA's IMF Broadcast & OTT Specification

- Outcomes
  - SMPTE Specification #1
  - Update process manual & guidelines during trial
  - Confirm that the benefits justify using a new process
  - Create Laundry List of SMPTE Spec. facilities for Specification Groups
  - Explore Financial Model
  - Report to SMPTE Board in June

Thank You

Questions?