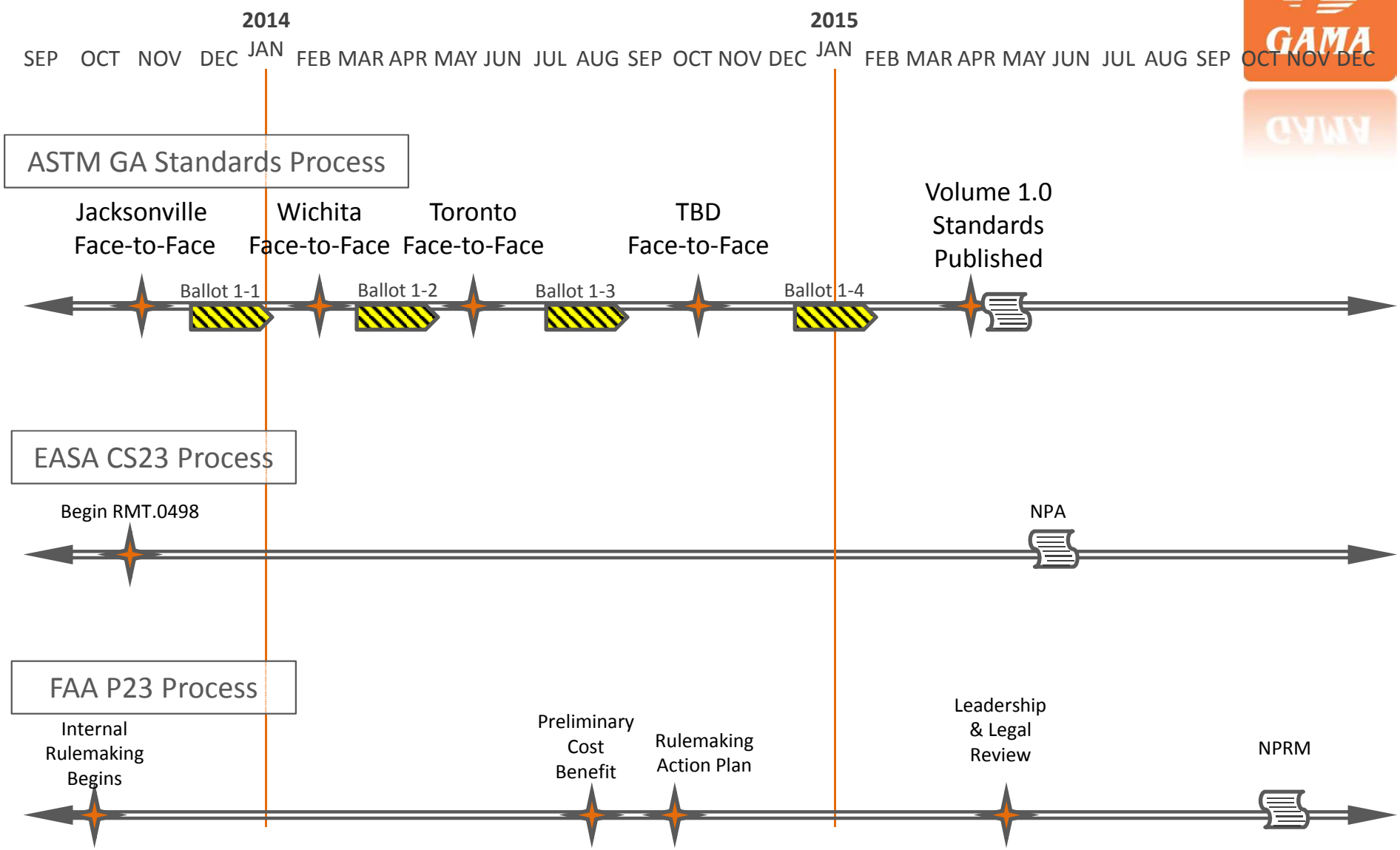
Complete Design Standards for CS23 Aeroplanes

ASTM F44 General Aviation Aircraft

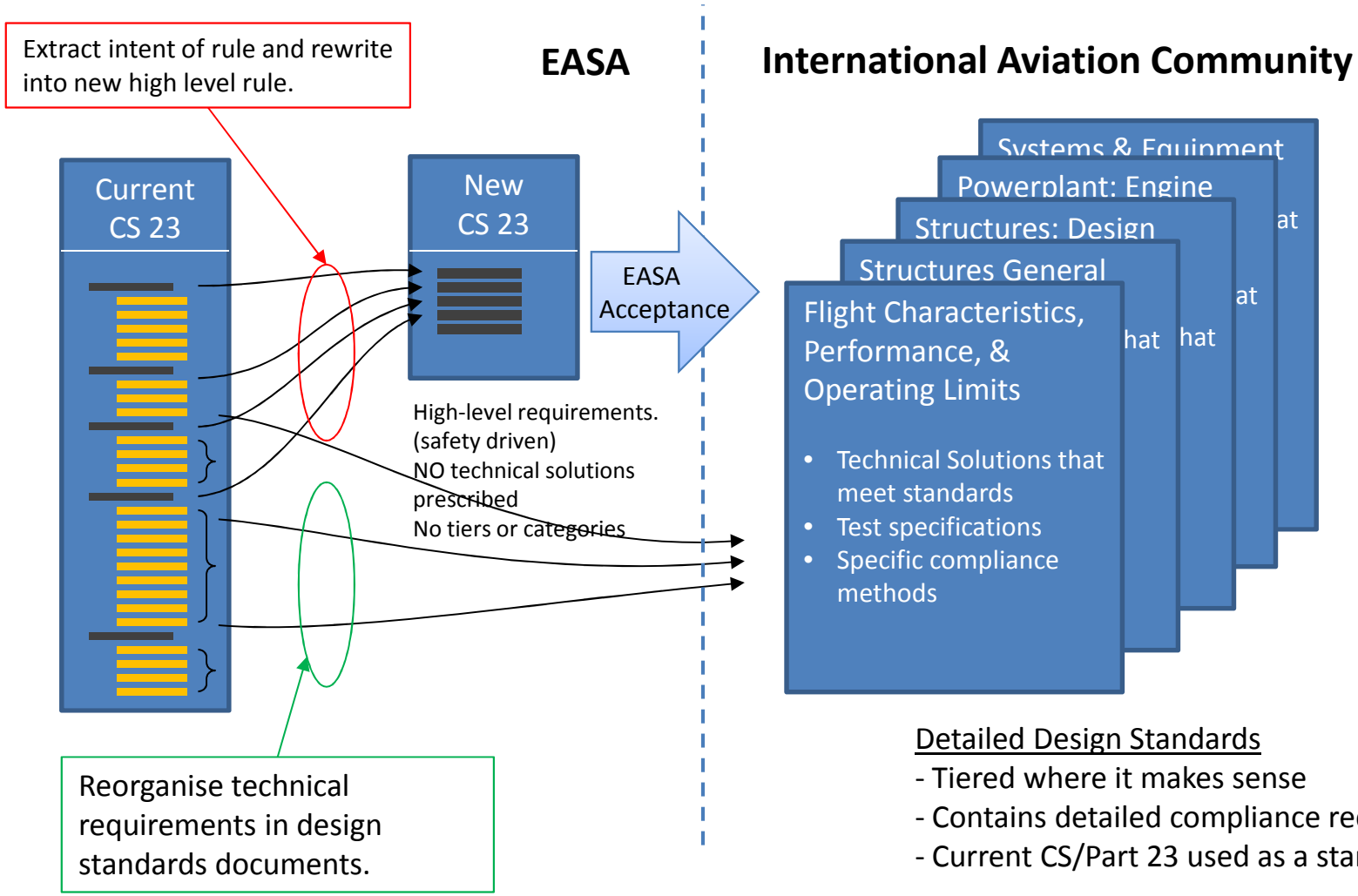
Timelines of Change



ASTM F44 General Aviation Aircraft

- Development and Maintenance of Internationally Accepted Standards for General Aviation Aircraft.
- 186 International Members
  - Regulators
  - Aviation Manufacturers
  - Operating Groups
- 20 New Standards Under Development

Separating Safety Requirements from Methods of Compliance

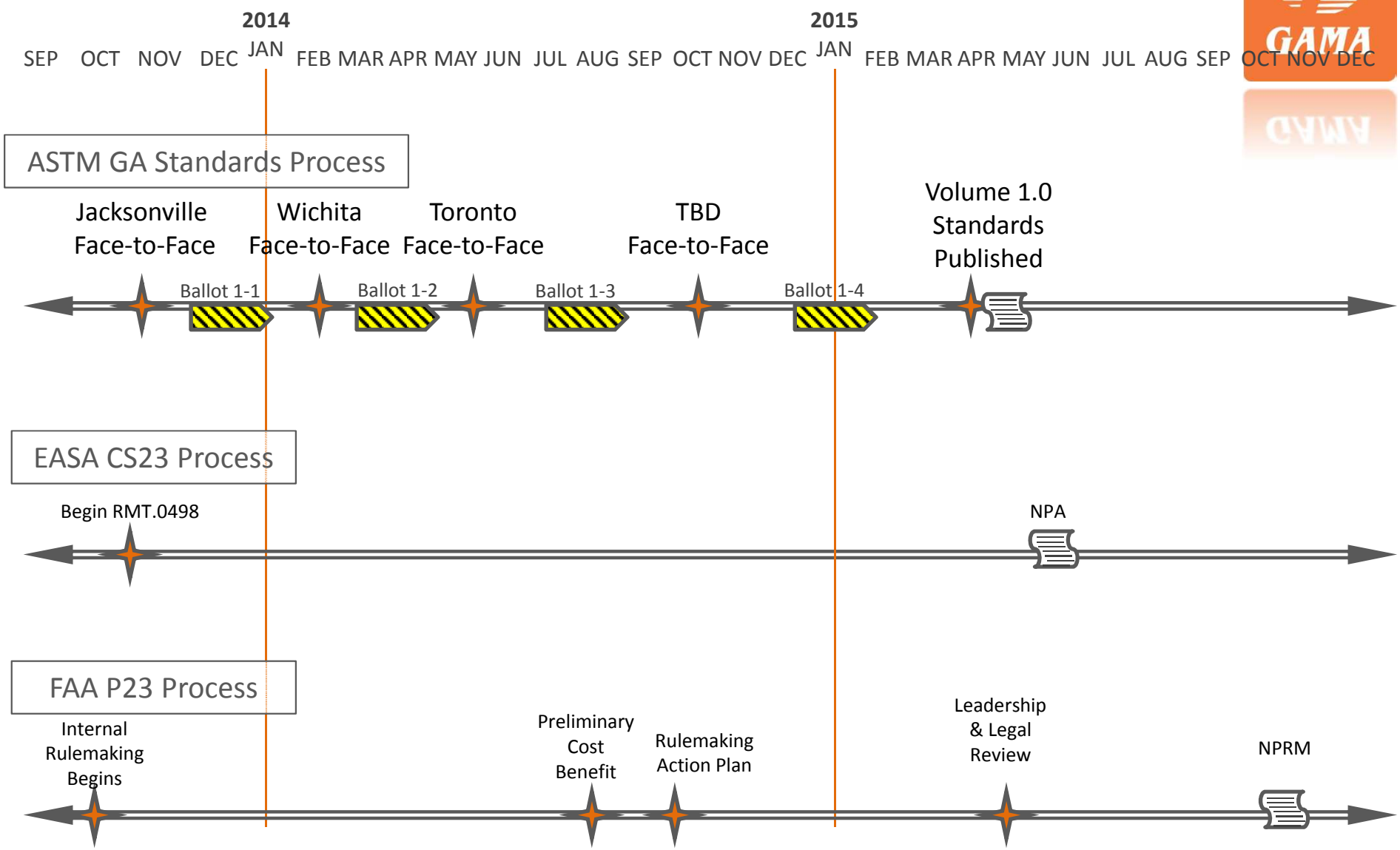


Detailed Design Standards
- Tiered where it makes sense
- Contains detailed compliance requirements
- Current CS/Part 23 used as a starting basis

Draft GA Design Standards

- **F44.10 General**
  - Elements of AW
  - AW Design
  - Guide for Formatting Standards
- **F44.20 Flight**
  - Characteristics, Performance, & Operating Limits
  - ICA placeholder
- **F44.30 Structures**
  - Structures General
  - Design Loads & Conditions
  - Aeroelasticity
  - Emergency Conditions & Occupation Safety
  - Structural Durability
  - Design and Construction
  - ICA
- **F44.40 Powerplant**
  - Engine Installation
  - Fuel Systems
  - Control and Indication
  - Propellers
  - Hazard Mitigation
  - Electric Propulsion
- **F44.50 Systems & Equipment**
  - Systems & Equipment
- **F44.91 Terminology**
  - Terminology

Timelines of Change



European Participation in ASTM F44

European State	Number of Members
Austria	2
Czech Republic	1
France	1
Germany	11
Italy	2
Slovenia	1
Switzerland	1
United Kingdom	3
Total	**22/190 = 12%**

2013-2014 Meeting Schedule

- October 23-25th 2013 – Jacksonville, USA
- February 11-13th 2014 – Wichita, USA
- May 6-8th 2014 – Toronto, CA
- October 2014 – TBD?
- April 14-16th 2015 – Friedrichshafen, DE
- October 2015 – New Orleans, USA
- April 2016 – Beijing, CN

Join ASTM F44

Gregory Bowles – Chair of ASTM F44

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