

The TOPS Development Roadmap

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Overview

- Motivation
- Implementation plan
- Next steps

Motivation

- MMSTC technology requirements
- AFSIM focus on interoperability/sharing
- Procurement process streamlining

Implementation

- Requirements analysis
- Survey of MMSTC member institutions
 - Instruction content assessment
 - Metrics development
 - Curriculum metrics development
 - Technical requirements

Implementation

- Provider feedback
 - Academic partners
 - Technology solutions partners
 - Commercial interests
- Draft standards development
 - First pass “straw-man”
- Review
 - 1st standards workshop

Implementation

- Refine 1st draft
- Implement draft standards prototype
 - Hardware API
 - Software architecture
- Pilot deployment
 - Within MMSTC
- 2nd standards workshop

Implementation

- Iterate
 - Refine-review-report
- Release candidate document
 - Pre-final standards specification
- 3rd standards workshop
- Incorporate feedback
- Final document published
- Maintenance and update phase

Partnerships

- Industry
- Academia
- Stakeholders

Sustainment

- Technology and capabilities advance rapidly
- TOPS as a living standard
- Revisions on a regular timeframe
 - 3-5 years
- Successive versions encapsulate previous version
 - Obsolete features identified for depreciation

Conclusion

- AFSIM
- MMSTC
- Standards governance
- Open source case study
- Technology update
- TOPS development roadmap

Discussion