

# Activity Report on ATSC Standards (TG3)

OCTOBER 1, 2018

**NEXTGENTV**

POWERED BY  
ATSC 3.0

# Disclaimer

This is a report on ATSC work in process. Some of the information in this report is preliminary and subject to change before approval of TG3 and ultimately the Voting Membership in accordance with ATSC process.

# Organizational Changes

TG1 merged into TG3

- TG1-10 (3.0 Transition AHG) moved to a new S39

S34-4 (Interactive) promoted to a new S38

S34-5 (Accessibility) merged into S34

Several other ad hoc groups still exist, but do not meet regularly at this time (S32-2, S32-3, S32-4, S33-2, S34-2)

# ATSC Technology Group Org Chart



# ATSC 3.0 Standards Status

ATSC 3.0 has been released and is publicly available at [www.atsc.org/standards/atsc-3-0-standards/](http://www.atsc.org/standards/atsc-3-0-standards/)

Two new standards have been published:

- A/200 Regional Service Availability (now at Candidate Standard status)
- A/323 Dedicated Return Channel (now at Proposed Standard status)

Already published standards recently revised include:

- A/330 Link Layer Protocol (revision at Proposed Standard status)
- A/331 Signaling and Delivery (now at Candidate Standard status)
- A/341 Corrigenda #1: Standard Definition Color Space
- A/341 Amendment: 2094-40 (now at Candidate Standard status)
- A/344 Interactive Content (revision at Candidate Standard status)
- A/360 ATSC 3.0 Security and Service Protection (revision at Candidate Standard status)

# ATSC 3.0 Recommended Practices Status

## Published

- A/325:2017, “TG3/S32 Lab Performance Test Plan”
- A/326:2017, “ATSC 3.0 Field Test Plan”
- A/339:2017, “ATSC Recommended Practice: Audio Watermark Modification and Erasure”

## In Process

- A/327 Physical Layer (currently at ballot)
- And several more RPs that are in Working Draft status, some of which will be published soon

# ATSC Implementation Teams

Advanced Emergency Alert Implementation Team

Personalization and Interactivity Implementation Team

Conformance Implementation Team

Description of Implementation Teams from the ATSC Bylaws: “Implementation Teams may address business, regulatory and technical requirements for successful roll-out of new standards as determined by the Board of Directors and reflected in the authorizing resolutions. Participation in Implementation Teams is open to all interested organizations offering or planning to offer services or products relating to a given ATSC Standard, subject to conditions as determined by the Board of Directors. Participants must abide by rules for operation of Implementation Teams as determined by the Board of Directors. Implementation Teams shall not develop Standards or Recommended Practices.”

# ATSC Education Activity

## SBE ATSC 3.0 Specialist Certification

- Prerequisite – To apply for any specialist certification, candidates must currently hold certification at the Network Engineer, Broadcast Engineer, Senior Broadcast Engineer or Professional Broadcast Engineer Certification level
  - For the ATSC 3.0 Specialist Certification, the Network Engineer Certificate is the recommended prerequisite
- Training Webinars kicked off with “Intro to ATSC 3.0” on Sept 12, 2018
- Next webinar will be “Intro to Physical Layer” on Oct 17, 2018
- SBE Seminar series will kick off in January 2019
- Goal: First opportunity to sit for the ATSC 3.0 Specialist Certification exam in June 2019

## NAB

- Webcasts on ATSC 3.0 have been popular, consistently attracting large audiences (including non-NAB members who pay to attend)
- NAB has presented 5 webcasts on Next-Gen TV to date, beginning in June 2016, and now scheduled approximately quarterly; next is in November 2018.

# Current ATSC Board Members

- Richard Friedel, Fox Networks (ATSC Board Chairman)
- Wayne Luplow, IEEE
- Anne Schelle, Pearl TV
- Lynn Claudy, National Association of Broadcasters
- Paul Hearty, Sony Electronics
- Brian Markwalter, Consumer Technology Association
- Andy Scott, National Cable and Telecommunications Association
- Peter Sockett, Capital Broadcasting Company
- Thomas Bause Mason, Society of Motion Picture and Television Engineers
- Jong Kim, LG-Zenith
- Craig Todd, Dolby Laboratories
- Mark Corl, Triveni Digital
- Brett Jenkins, Media General
- Glenn Reitmeier, NBC Universal
- Jon Fairhurst, Samsung

# ATSC Monthly Newsletter

Available online: <http://atsc.org/newsletter/>

Available via email for free

- sign-up via link above

