

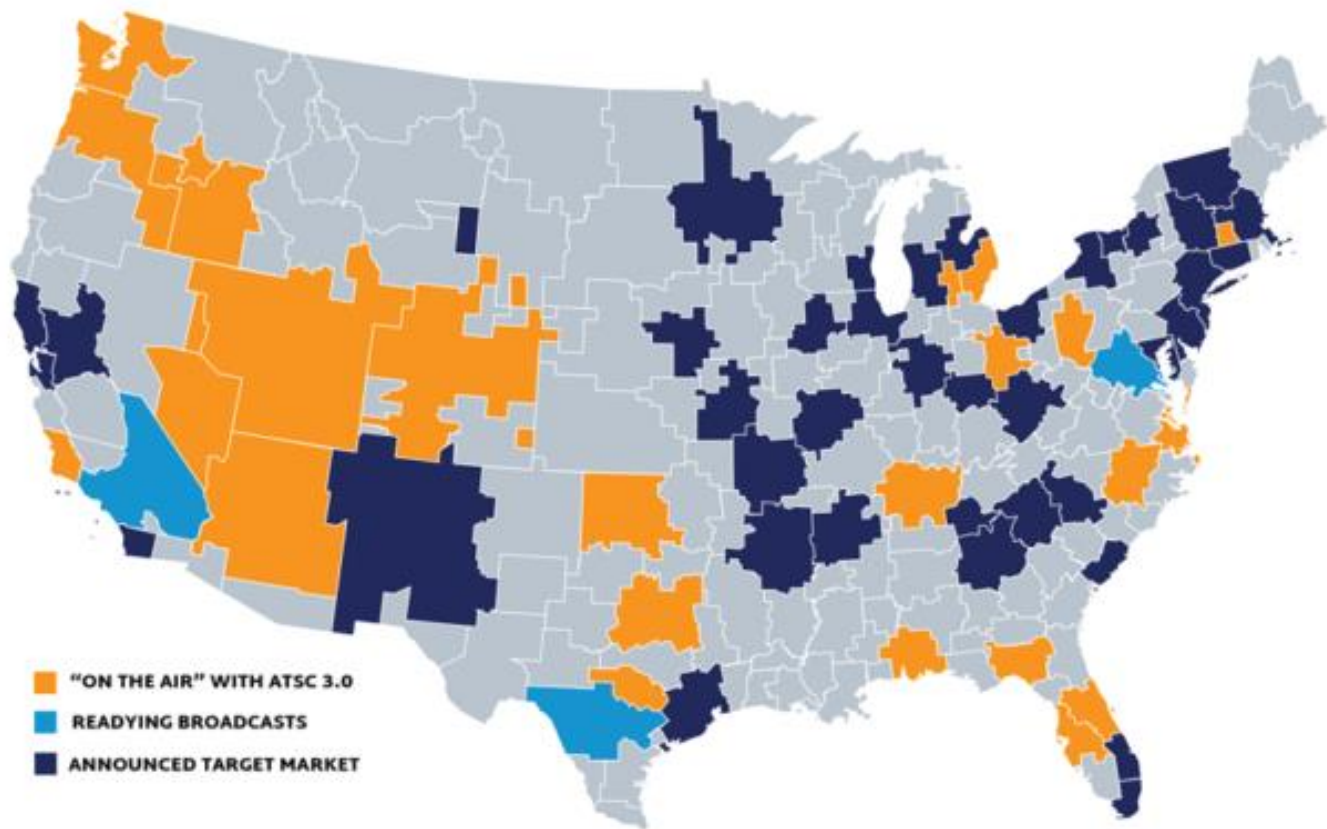
SPOTLIGHT ATSC 3.0



KEY FEATURES

- Built on the same Internet Protocol backbone as today's popular streaming media platforms
- Designed to bring together Over-the-Air with Over-the-Top content
- Delivers better video quality and immersive audio to viewers
- Provides the capability of Advanced Emergency Alerting and Informing
- Easily adaptable for future technologies

ATSC 3.0 is the next generation terrestrial broadcast system designed from the ground up to improve the television viewing experience with higher audio and video quality, improved compression efficiency, robust transmission for reception on both fixed and mobile devices, and more accessibility, personalization and interactivity. The ATSC 3.0 standard is defined in a suite of more than 20 Standards and companion Recommended Practices.





ATSC 3.0 – Unlocking the potential of the broadcast spectrum for broadcasters and consumers

Benefits for broadcasters

- Increased customer satisfaction
- New revenue streams from targeted advertising
- Ability to lease out excess broadcast spectrum for data services
- Ability to monitor active services

Benefits for consumers

- Better audio and video performance
- Lower broadband bandwidth requirements
- Deeper indoor reception
- Mobile reception
- Access to 4K content
- Automotive services
- Advanced emergency alerting
- Access to Internet services

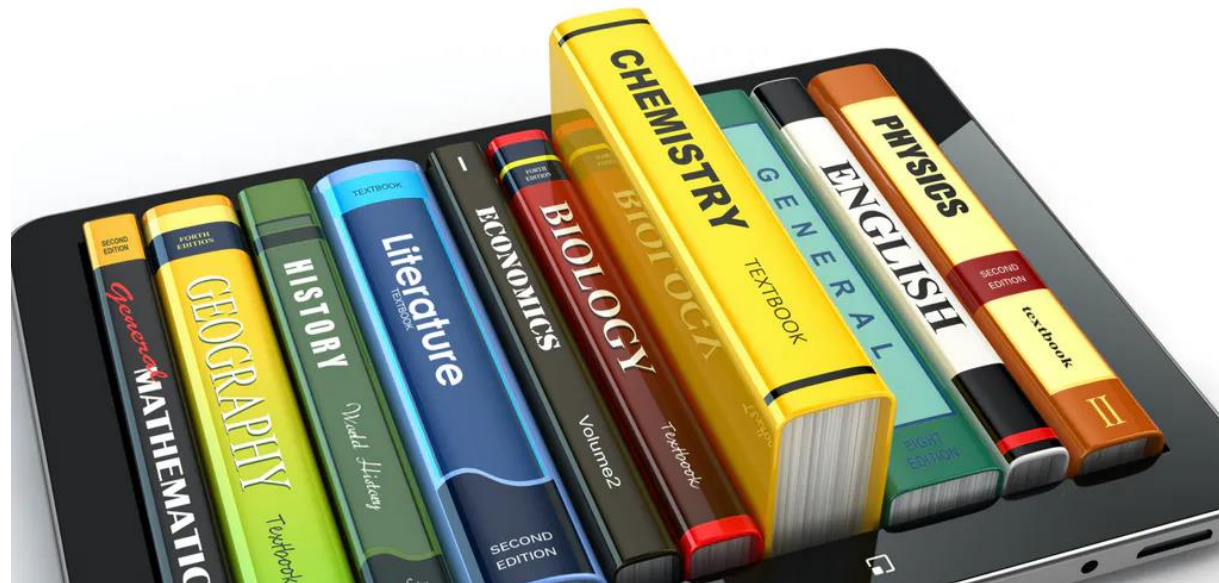


FOR IMMEDIATE RELEASE

PBS NORTH CAROLINA AND NC DEPT. OF INFORMATION TECHNOLOGY AWARDED GRANT TO CONTINUE EMERGENCY COMMUNICATIONS ENHANCEMENTS

Device Solutions Inc. Leads PBS NC and NCDIT in Grant from the Department of Homeland Security

RESEARCH TRIANGLE PARK, NC (12/20/2021) - PBS NORTH CAROLINA and the North Carolina Department of Information Technology (NCDIT) have been awarded a grant from the Department of Homeland Security to continue emergency communications enhancements.



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(Photo: Maria Symchych/Shutterstock)

Pennsylvania PBS pilots datacasting's capabilities for at-home learning

Public TV stations to split \$8M to harness technology for students who lack broadband connections

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LEARNER EXPERIENCE

Antenna

Education Device

NextGen TV
On-Demand Content

Student 1
Lesson

Student 2
Lesson

On-Demand Content

- Books
- Games
- Interactive Content
- Lessons

On-Demand Content

- Books
- Games
- Interactive Content
- Lessons

COMPUTER

TABLET

MOBILE

Public Media Datacasting Innovators Group



Utah Education and Telehealth Network

CONTENT SOURCES

- Public Media Content
- Academic Digital Collections
- User-Generated Materials



Live or
Produced
Content

LEARNING PLATFORMS

- Google Classroom
- SCORM-Compliant LMSs
- PMEP Teacher Dashboard

PMEP™

DELIVERY MECHANISMS



NextGen TV



Websites



PCs/Tablets/Phones



Mobile App

FEEDBACK/ASSESSMENT



Voice/SMS/Email



Internet (when available)

§ 64.606 Internet-based TRS provider and TRS program certification.

(a) * * * (1) *Certified state program.* Any state, through its office of the governor or other delegated executive office empowered to provide TRS, desiring to establish a state program under this section shall submit documentation to the Commission addressed to the Federal Communications Commission, Chief, Consumer and Governmental Affairs Bureau, TRS Certification Program, Washington, DC 20554, and captioned “TRS State Certification Application.” All documentation shall be submitted in narrative form, shall clearly describe the state program for implementing intrastate TRS, and the procedures and remedies for enforcing any requirements imposed by the state program. The Commission shall give public notice of state applications for certification.

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[FR Doc. 2021-00792 Filed 2-22-21; 8:45 am]
BILLING CODE 6712-01-P

FEDERAL COMMUNICATIONS COMMISSION

47 CFR Part 73

[MB Docket No. 20-145; FCC 20-181; FRS 17327]

Promoting Broadcast Internet Innovation Through ATSC 3.0

AGENCY: Federal Communications Commission.

ACTION: Final rule.

SUMMARY: Through this final rule, the Commission fosters the efficient and robust use of broadcast spectrum capacity for the provision of Broadcast internet services consistent with statutory directives. In this document, the Commission concludes that ancillary and supplementary (A&S) fees should be calculated based on the gross revenue received by the broadcaster, without regard to the gross revenue of an unaffiliated third party, such as a spectrum lessee; should retain the existing standard of derogation of broadcast service, but amend the wording of the rules to eliminate the outdated reference to analog television; and should reaffirm that noncommercial

lowers the ancillary and supplementary service fee for certain NCE services; and clarifies that NCEs may offer limited Broadcast internet services to donors without transforming those donations into feeable ancillary and supplementary service revenue.

DATES: Effective March 25, 2021.

FOR FURTHER INFORMATION CONTACT: For additional information, contact Lyle Elder, Lyle.Elder@fcc.gov, of the Media Bureau, Policy Division, (202) 418-2120. Direct press inquiries to Janice Wise at (202) 418-8165.

SUPPLEMENTARY INFORMATION: This is a summary of the Commission’s Report and Order, FCC 20-181, adopted and released on December 10, 2020. The full text of this document is available electronically via the FCC’s Electronic Document Management System (EDOCS) website at <https://www.fcc.gov/edocs> or via the FCC’s Electronic Comment Filing System (ECFS) website at <https://www.fcc.gov/ecfs>. (Documents will be available electronically in ASCII, Microsoft Word, and/or Adobe Acrobat.) Alternative formats are available for people with disabilities (Braille, large print, electronic files, audio format), by sending an email to fcc504@fcc.gov or calling the Commission’s Consumer and Governmental Affairs Bureau at (202) 418-0530 (voice), (202) 418-0432 (TTY).

Synopsis

1. Earlier last year, the Commission initiated a proceeding to encourage the provision of new and innovative Broadcast internet services enabled by ATSC 3.0—the “Next Generation” broadcast television standard often referred to as Next Gen TV—that can complement the nation’s 5G wireless networks.¹ In so doing, the Commission sought to eliminate uncertainty cast on such services by legacy regulations and to consider whether, and if so how, to update the Commission’s rules regarding ancillary and supplementary services, adopted over 20 years ago. With this item, we take additional steps to clarify and update the regulatory landscape in order to foster the efficient and robust use of broadcast spectrum

¹ *Promoting Broadcast Internet Innovation Through ATSC 3.0*, MB Docket No. 20-145.

capacity for the provision of Broadcast internet services consistent with statutory directives.

2. In this Report and Order (Order), we adopt, with only minor changes, four of the tentative conclusions set forth in the *NPRM*. Specifically, we clarify the basis on which to calculate ancillary and supplementary service fees. We retain the existing standard of derogation of broadcast service. We also, however, amend the derogation rule to eliminate an outdated reference to analog television. We reaffirm the freedom of noncommercial educational television stations (NCEs) to provide ancillary and supplementary services. And while we generally decline at this time to adjust the fee imposed on ancillary and supplementary services, we intend to revisit this issue at a future date to determine whether we should adjust the fee or the basis of the fee once the market for Broadcast internet services develops.

3. Recognizing the unique educational public service mission of NCEs seeking to provide Broadcast internet services, we also adopt a number of additional proposals designed to preserve and expand this essential mission. Notably, we find that an NCE television broadcast station may use its 6 MHz channel capacity primarily not only for its free, over-the-air nonprofit, noncommercial, educational, television broadcast service, as under our current interpretation of the rule, but also for any nonprofit, noncommercial, educational (“primary”) ancillary and supplementary services. We also adopt a reduced fee of 2.5% on gross revenue generated by such “primary” ancillary and supplementary services, as opposed to the 5% fee applied to ancillary and supplementary services generally. With these actions, this Order continues to lay the groundwork for broadcasters, and thereby the general public, to explore and benefit from the possibilities and opportunities that Broadcast internet provides.

4. *Background.* As the Commission explained in the *NPRM*, the ATSC 3.0 IP-based standard offers greater effective spectral capacity than ATSC 1.0, the current digital broadcast television standard. The additional capacity will allow broadcasters to expand their traditional television offerings,

FCC OKs Public TV Datacasting to Access Emergency Connectivity Fund

By Michael Balderston 29 days ago

Public TV stations now have access to the approved \$7.17 billion in funds



(Image credit: FCC)

WASHINGTON—Datacasting equipment and connectivity, which public TV stations have been using to help with remote education, have been deemed eligible by the FCC for funding through the Emergency Connectivity Fund