

SCTE NEW ENGLAND

CHAPTER NEWSLETTER

2021 - SECOND QUARTER

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BILL RILEY PERSONAL ACHIEVEMENT AWARD WINNER

Every year since 1994, the SCTE New England Chapter recognizes an outstanding individual with the Bill Riley Personal Achievement Award. The award honors Bill Riley, one of the key founders of the SCTE New England Chapter. The award's criteria focus on skills, achievement, and contribution to the industry. All levels of experience are considered.

Nominations are open for this year's award. If you know of someone you would like to nominate for this prestigious award, please complete and return the preliminary application. All applications for consideration to this award must be received on or before July 15, 2021. Our 2020 recipient Alan Amos along with our 2021 and 2022 recipients will be formally presented the award at Vendor's Day 2022!

[Download Nomination Form](#)

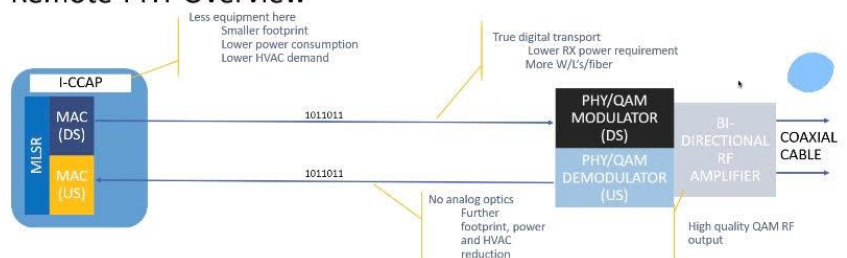
[Download Reference Form](#)

JUNE 30 TECHNICAL SESSION: TROUBLESHOOTING FIBER DEEP RPHY PLANT

SCTE-NE hosted a tech session this morning on Troubleshooting Fiber Deep RPHY Plant. There were presentations from Tito Velez of Commscope on OSP troubleshooting in fiber deep plant, and Johnny Beck of Arcom with a look ahead at troubleshooting leakage in a high split-environment. This tech session will be available on-demand. Please keep an eye out for the link to the archived tech session.



Remote-PHY Overview



Remote PHY allows for the delivery of CATV services using digital fiber link in the HFC plant. Allows networks to have higher performance with lower costs (operating and capital) and a path to FTTH (Fiber To The Home) optical networks.

JUNE 30 TECHNICAL SESSION: TROUBLESHOOTING FIBER DEEP RPHY PLANT

Remote PHY Module for OM6000

7-slot module for OM6000
1x1 (1 DS x 1 US) configuration
1x2 (1DS x 2US) Module available
1.2GHz downstream upper edge
Up to 5 OFDM @ 192MHz
Up to 128 Annex B or 96 Annex A SC-QAM (up to 1002MHz)
Downstream/Upstream Operational Bandwidth

54-1218 MHz	5-42 MHz US
85-1218 MHz	5-65 MHz US
102-1218 MHz	5-85 MHz US
258-1218 MHz	5-204 MHz US

Up to 2 OFDMA @ 96MHz per upstream
Up to 12 ATDMA (up to 85MHz) per upstream
DOCSIS 3.1/3.0 and Broadcast/Narrowcast video
Dual SFP+ cage



Topics

- Why the need for high-split return?
- High-split illustrated.
- Challenges presented for mandated leakage detection.
- Possible detection methods considered.
- Expand on OUDP. Seemingly the consensus favored approach.
- Field test results.
- Implementation considerations.
- Future bandwidth efficiency gains.

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Why the need for high split?

More Bandwidth!

The expanded return spectrum and OFDMA will allow for 1Gbps symmetrical services.

- Video streaming
- Webex, Teams, etc
- Gaming
- Zoom Educational System

MARCH TECHNICAL SESSION WRAPUP: HOW IOT INFLUENCES THE CABLE INDUSTRY

SCTE New England hosted its Q1 Technical session on Tuesday March 30th virtually with technical session topic focusing on How IoT Influences the Cable Industry.

Presenters Included: Matthew Atkins of Comcast, Discussing Xfinity Smart Communities, Ryan Baker & Justin Cardones (Comcast & Commscope, respectively) with an interactive discussion about the various IoT elements, and how they impact our industry across many existing job functions, and Bjorn Lang - VP, Solutions Architecture – Service Provider Sales, with a discussion on smart cities, the elements to create a smart city, and what to do with them once they are in place. This tech session will be available on-demand once SCTE has finished updating their website. Please keep an eye out for the link to archived session.



SAVE THE DATE SCTE-NE ANNUAL GOLF OUTING

SCTE New England will be holding the annual golf outing this year on September 14th at Stowe Acres in Stowe MA. Please keep an eye out for foursome registration information and sponsorship details! We are looking forward to seeing everyone in person!!





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Edited by: Cathy Scull

If you have any content to feature in future newsletters, please contact Cathy Scull at cathy.scull@teracomsales.com

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