

**UNITED STATES DEPARTMENT OF AGRICULTURE
Rural Utilities Service
Washington, DC 20250-1500**

Wednesday, May 28, 2002

**TECHNICAL STANDARDS COMMITTEE "A" (TELECOMMUNICATIONS)
MEETING #747**

Summary of Decisions

Detailed Minutes

1. Fiber Optic Cable (Item "oc") - OFS BrightWave

Committee A accepted OFS BrightWave's multiple loose tube, dry-filled fiber optic cable designs designated AT-12S and AT-__⁽¹⁵⁾2S for listing on pages 1.5.3 and 1.5.5 as follows:

Page 1.5.3

oc - Fiber Optic Cable

RUS Standard Designations "BFO", "CO", and "UO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-d Dry Filled Multiple Loose Tube Fiber Core Construction^{(3) (22)}

RUS Standard Suffixes

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>E(1)</u>	<u>F(1)</u>	<u>G</u>	<u>H</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
OFS BrightWave(25)	AT-D2D	AT-12__(12)	AT-__(14)2D	AT-__(15)2__(12)	(X)P-RUS)	X	X

Page 1.5.5

Notes:

⁽¹²⁾ Replace blank with the letter D or S to indicate size of loose tube buffer.

2. Buried Plant Housings (Item "se") - Marconi Communications

Committee A accepted a design change for Marconi's UPCBD units. The modifications involves (1) changing the straight slot on the side of the UPCBD cover to a bayonet or "L" shaped slot for added locking features that ensure that the pedestal cover stays on; and, (2) removing the knock-out hole in the center of the pedestal cover that allowed the cover to be adapted onto older Marconi UPCBD designs where the locking bolt was located in the front center of the cover.

3. Buried Plant Housings (Item "se") - Outside Plant Branch

Committee A accepted the following revised format for listing SAICs on page 2.5.2 of the RUS List of Materials:

se - Buried Plant Housings
(Complies with 7 CFR 1755.910)

Type BDS Service Area Interface Cabinet⁽⁴⁾

<u>Manufacturer</u>	<u>Designation</u>	
	<u>Terminal Types⁽⁵⁾</u>	<u>Cabinet Series</u>
Hub Fabricating	HubSnap or Binding Post ⁽¹³⁾	BTS ⁽¹²⁾ BK/BL ⁽¹¹⁾
3M	3M Module 3M SS Block	4000 ⁽⁶⁾ 4300 ⁽⁶⁾
Marconi Communications	3M Module Reliable Block RLS Module	UPC/BDS RSK/RSL Starburst Aerial UltraCab

Notes:

⁽⁶⁾ Only the 4065 and 4365 cabinets may be pole mounted.

4. Buried Plant Housings (Item "se") - 3M Company

Committee A accepted 3M's 4220 and 4900 cabinet series for listing on page 2.5.2 as follows:

se - Buried Plant Housings
(Complies with 7 CFR 1755.910)

Type BDS Service Area Interface Cabinet⁽⁴⁾

<u>Manufacturer</u>	<u>Designation</u>	
	<u>Terminal Types</u>	<u>Cabinet Series</u>
3M	3M Module 3M SS Block 3M SS Block 3M SS Block	4000 ⁽⁶⁾ 4300 ⁽⁶⁾ 4220 4900

5. Cable Markers (Item "tm") and Buried Plant Warning Signs, Stakes, and Decal Markings (Item "sm") - Tech Products

Committee A accepted Tech Products' orange/black and yellow/black markers, warning signs, and identification tags for listing on pages 3.2 and 3.5, respectively, as follows:

Page 3.2

<u>Manufacturer</u>	<u>Catalog Number</u>
	<u>tm - Cable Markers</u>
	<u>Color-Coded Tags</u>
Tech Products	EL2(series)

Page 3.5

<u>Manufacturer</u>	<u>Catalog Number</u>		
	<u>sm-Buried Plant Warning Signs, Stakes and Decal Markings</u>		
	<u>sm-a Decal Type Warning Signs and Markings</u>		
		<u>Non-Reflective</u>	
	<u>Warning Signs</u>	<u>Numerals & Letters</u>	<u>Symbols</u>
Tech Products	X	X	X

6. Access Equipment (Item "ae") - Adtran

Committee accepted Adtran's Total Access 3000, 1500, 1000, 850, and 750 for listing on page 6.1 as follows:

<u>ae - Access Equipment</u>				
<u>Manufacturer</u>	<u>Product</u>	<u>Copper</u>	<u>Fiber</u>	<u>Wireless</u>
ADTRAN	Total Access ⁽⁷⁾	Y	Y	N

Notes:

⁽⁷⁾Includes the Total Access (TA) 3000, TA 1500, TA 1000, TA 850 and TA 750.

7. Access Equipment (Item "ae") - Adtran

Committee A accepted Adtran's Total Access (TA) 4303, TA MX2800/MX2810, OPTI-3, and TRACER products for listing on page 6.1 as follows:

ae - Access Equipment

<u>Manufacturer</u>	<u>Product</u>	<u>Copper</u>	<u>Fiber</u>	<u>Wireless</u>
ADTRAN	Total Access ⁽⁷⁾	Y	Y	Y

Notes:

⁽⁷⁾Includes the Total Access (TA) 3000, TA 1500, TA 1000, TA 850 and TA 750, TA 4303, TA MX2800/MX2810, OPTI-3 and TRACER.

8. Access Equipment (Item "ae") - VINA Technologies

Committee A accepted VINA's Integrator 300 system for listing on page 6.1 as follows:

ae - Access Equipment

<u>Manufacturer</u>	<u>Product</u>	<u>Copper</u>	<u>Fiber</u>	<u>Wireless</u>
VINA Technologies	Integrator 300	Y	N	N

9. Access Equipment (Item "ae") - Fujitsu Network Communications, Inc.

Committee A accepted Fujitsu FLASHWAVE 4100 multiservice optical access platform for listing on page 6.1 as follows:

ae - Access Equipment

<u>Manufacturer</u>	<u>Product</u>	<u>Copper</u>	<u>Fiber</u>	<u>Wireless</u>
Fujitsu	FLASHWAVE 4100	N	Y	N

10. Transport Equipment (Item "te") - Marconi Networks

Committee A accepted Marconi's ASX Asynchronous Transfer Mode (ATM) Switches for listing on page 6.2 as follows:

te - Transport Equipment

<u>Manufacturer</u>	<u>Product</u>	<u>Bit Rate</u>	<u>RF Band</u>
Marconi	ASX 200 BX	T1/DS1/OC-3/12	
	ASX 1000	T1/DS1/OC-3/12	
	ASX 1200	T1/DS1/OC-3/12/48	

11. Access Equipment (Item "ae") and Transport Equipment (Item "te") - Inside Plant Branch

Committee A removed P-Com's VoiceXtender equipment and Airlink T1 system from pages 6.1 and 6.2, respectively, of the List of Materials.

12. Transport Equipment (Item "te") - Inside Plant Branch

Committee A removed CSE/Vidar's T-Carrier systems from page 6.2 of the List of Materials.

13. Fiber Optic Storage (Item "fos") - Multilink Broadband

Committee A accepted Multilink's fiber optic storage Sno-Shoe Series be accepted for listing in Section 8 on page 8.4 as follows:

oco - Fiber Cable Slack Organizer

Manufacturer

Multilink Broadband
(Sno-Shoe)

Product Series

21__⁽¹⁾⁽²⁾

Notes:

⁽¹⁾ Fill in blanks with available sizes - 10", 16", 21", and 24"

⁽²⁾ Available with ADSS Versions, stacking kits, and extensions.

Miscellaneous

- I. In an April 25, 2002, memo, OPB advised that a Final Rule Notice announcing the cancellation of RUS Bulletin 345-22 was prepared for publishing in the Federal Register. OPB noted that its recommendation concerning the canceling of Bulletin 345-22, RUS Specification for Voice Frequency Loading Coils, PE-26, was accepted at Meeting #741 and the Proposed Rule was published in the Federal Register on January 31, 2002. OPB advised that no comments were received in response to the Proposed Rule publication in the Federal Register.

II. The following Brand-Rex product listings were removed from the page 2.1.2 of the List of Materials:

<u>Manufacturer</u>	<u>Max. Cable Dia.⁽⁶⁾</u>	<u>Straight</u>	<u>Branch</u>	<u>Encapsulant⁽²⁾</u>
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b - Buried Splice Closure for Copper Cables

Filled

Brand-Rex	1.42"	SG 95-2	--	Splicegard
	1.42"	SG 155-4	SG 155-4	Liquid

c - Underground Splice Closure (Manhole) for Copper Cables

Filled

Brand-Rex	1.42"	SG 95-2	--	Splicegard
	1.42"	SG 155-4	SG 155-4	Liquid

III. Page 7.6 of the List of Materials was revised to reflect the change in manufacturer designation for the riser guard listing from Phonotronics, Inc., to HMS, Inc., as follows:

Manufacturer

Catalog Number

am - Buried Service House Riser Guards

Type:	<u>Conduit</u>	<u>Conduit</u>	<u>Conduit</u>	<u>Closed "U"</u>	<u>Conduit</u>	<u>Conduit</u>	<u>Conduit</u>
Standard Length and Size:	<u>5'x1.13"</u>	<u>5'x7/8"</u>	<u>5' x 5/8"</u>	<u>5' x 5/8"</u>	<u>5' x 3/8"</u>	<u>20' x 1"</u>	<u>5' x 1/2"</u>
HMS, Inc.	--	--	R-070	--	--	--	R-061

VI. Committee A revised the Raychem page 2.1.2 buried splice closure for copper cables listing to reflect the upgrade of the encapsulant from CasChem 126 to CasChem 165, as follows:

<u>Manufacturer</u>	<u>Max. Cable Dia.</u> ⁽⁶⁾	<u>Straight</u>	<u>Branch</u>	<u>Encapsulant</u> ⁽²⁾
<u>b - Buried Splice Closure for Copper Cables</u>				
<u>Filled</u>				
Raychem	0.6" (2-6 Pair)	XAGA MCS-A	XAGA MCS-A	CasChem 165
	0.9" (6-12 Pair)	XAGA MCS-B	XAGA MCS-B	
	1.2"	XAGA-1650-REA/E-S	XAGA-1650-REA/E-S	
	1.8"	XAGA-1650-REA/E-A	XAGA-1650-REA/E-A	
	2.5"	XAGA-1650-REA/E-B2	XAGA-1650-REA/E-B2	
	3.0"	XAGA-1650-REA/E-C2	XAGA-1650-REA/E-C2	
	3.9"	XAGA-1650-REA/E-D2	XAGA-1650-REA/E-D2	
	3.9"	XAGA-1650-REA/E-D4	XAGA-1650-REA/E-D4	

Sincerely,

NORBERTO ESTEVES
 Chairman, Technical Standards
 Committee "A" (Telecommunications)
 Telecommunications Standards Division