

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

May 27, 2003

**TECHNICAL STANDARDS COMMITTEE "A" (TELECOMMUNICATIONS) MEETING
#757**

Summary of Decisions

1. Fiber Optic Cable (Item "oc") – Corning Cable Systems

Committee A accepted Corning's single jacketed, all-dielectric, self-supporting fiber optic cable design, designated SOLO-ADSS, for listing on page 1.5.2 as follows:

oc - Fiber Optic Cable

RUS Standard Designations "CFO" (Filled) 7 CFR 1755.900

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

oc-c Self-Supporting Filled Fiber Optic Cables

RUS Standard Suffixes

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>I</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
Corning Cable Systems ⁽⁷⁾	SST-Ribbon	SOLO-ADSS ⁽²⁰⁾	SST-Ribbon	-	(X)P-RUS	X	X
	ALTOS™ ⁽²³⁾	SOLO-ADSS ⁽²⁰⁾⁽²³⁾	ALTOS™ ⁽²²⁾⁽²³⁾	-	(X)P-RUS	X	X
	SST	-	SST ⁽¹²⁾	-	(X)P-RUS	X	X

2.Fiber Optic Cable (Item "oc") – Corning Cable Systems

Committee A accepted Corning's dry-filled ALTOS RD™ fiber optic cable designs for listing on pages 1.5.2 and 1.5.3 as follows:

Page 1.5.2oc - Fiber Optic Cable

RUS Standard Designations "CFO" (Filled) 7 CFR 1755.900

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

oc-c Self-Supporting Filled Fiber Optic CablesRUS Standard Suffixes

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>I</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
Corning Cable Systems ⁽⁷⁾	SST-Ribbon	SOLO-ADSS ⁽²⁰⁾	SST-Ribbon	-	(X)P-RUS	X	X
	ALTOS™ ⁽²³⁾	SOLO-ADSS ⁽²⁰⁾⁽²³⁾	ALTOS™ ⁽²²⁾⁽²³⁾	-	(X)P-RUS	X	X
	ALTOSRD™ ⁽²³⁾	-	ALTOSRD™ ⁽²²⁾⁽²³⁾	-	(X)P-RUS	X	X
	SST	-	SST ⁽¹²⁾	-	(X)P-RUS	X	X

Page 1.5.3oc - 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⁾⁽²³⁾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>
Corning Cable Systems ⁽⁷⁾	ALTOS™	ALTOS™	ALTOS™ ⁽²²⁾	ALTOS™ ⁽²²⁾	(X)P-RUS	X	X
	ALTOSRD™	ALTOSRD™	ALTOSRD™ ⁽²²⁾	ALTOSRD™ ⁽²²⁾	(X)P-RUS	X	X

3. Underground Conduit (Item "hc") – IPEX, Inc.

Committee A accepted IPEX's Smooth-Wall Coilable Polyethylene Conduit (HDPE) for listing on page 2.2 as follows:

hc - Underground Conduit

<u>Manufacturer</u>	<u>Type Conduit</u>	<u>Catalog Number</u>
IPEX, Inc.	Flexible plastic (Fibertel)	EPEC-(B, 40, SDR11, 80)-HDPE 1" – 4"

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

Committee A accepted the 4295 Serving Area Interface (SAI) cabinet, a variation of 3M's currently listed 4220 Series SAI cabinet, for listing on page 2.5.2 as follows:

se - Buried Plant Housings
(Complies with 7 CFR 1755.910)**Type BDS Serving Area Interface Cabinet⁽⁴⁾**

<u>Manufacturer</u>	<u>Designation</u>	<u>Cabinet Series</u>
	<u>Terminal Type</u> ⁽⁵⁾	
3M	3M SS Block	4000 ⁽⁶⁾ 4300 ⁽⁶⁾ 4220 ⁽⁶⁾ 4900

Notes: ⁽⁶⁾Only the 4065, 4295, and 4365 may be pole mounted.

5.Precast Concrete Manholes (Item "hm") – NewBasis

Committee A revised the NewBasis' manhole listing on page 2.7.1 as follows:

hm - Precast Concrete Manholes⁽¹⁾

<u>Manufacturer</u>	<u>Base Size</u>	<u>Catalog Number</u>
NewBasis	2'x2'x2', 2.5', & 3'	(Vault Series) 1018, 1019, 1020
	2'x3'x3'	1022
	3'x5'x3'	35-H36-B
	3'x6'x4.25'	GL3x6x51
	3'x3'x3'	1145
	4'x4'x4', 5', 6', 7', 8'	44-M-1PC
	4'x4'x4.25'	GL4x4x51
	4'x5'x4.25'	GL4x5x51
	4'x6.5'x4'	GL4x6.5x48
	4'x6.5'x7'	GL4x6.5x84
	4'x8'x4', 5', 6', 7', 8'	48-M
	4'x8'x7'	GL4x8x84
	5'x5'x5', 6'	1605, 1610
	5'x7'x7'	GL5x7x84
	5'x10.5'x6', 6.5', 7'	1665, 1666, 1667
	6'x8'x4'	GL6x8x48
	6'x8'x7'	GL6x8x84
	6'x12'x7'	1830-1
	6'x12'x7'	GL6x12x84
	6'x15'x4', 5', 6', 7', 8'	615-M
	7'x7'x4', 5', 6', 7', 8'	77-M
	8'x10'x4', 5', 6', 7', 8'	810-M
	8'x8'x4', 5', 6', 7', 8'	88-M
	9.5'x9.5'x4', 5', 6', 7', 8'	9595-M
	10'x10'x4', 5', 6', 7', 8'	1010-M
	12'x12'x4', 5', 6', 7', 8'	1212-M

This revision reflects the consolidation of the listings under Dalworth Concrete, DeKalb Concrete, and Associated Plastics in the list of Materials under NewBasis, as well as new listings.

6. Access Equipment (Item "ae") – Wave7 Optics

Committee A accepted Wave7's Last Mile Link (LML) family of 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>
Wave7 Optics	Last Mile Link ⁽⁹⁾	N	Y	N

Notes:

⁽⁹⁾The Last Mile Link (LML) includes Last Mile Core (LMC), Last Mile Tap (LMT), Last Mile Mux (LMM), and Last Mile Gateway (LMG).

7. Access Equipment (Item "ae") – Quantum Bridge Optical Products

Committee A accepted Quantum Bridge's Optical Access Switch (OAS) and Intelligent Optical Terminal (IOT) 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>
Quantum Bridge Communications	QB3000 OAS	N	Y	N
	QB5000 OAS	N	Y	N
	QB100 IOT	N	Y	N
	QB600 IOT	N	Y	N

8. Access Equipment (Item "ae") – Alcatel

Committee A granted technical acceptance to Alcatel's 7340 Fiber-to-the-User (FTTU) system. The listing will be shown in the nondomestic list of products (http://www.usda.gov/rus/telecom/materials/index_accepted.htm) as follows:

ae - Access Equipment

<u>Manufacturer</u>	<u>Product</u>	<u>Copper</u>	<u>Fiber</u>	<u>Wireless</u>
Alcatel	7340 FTTU System ⁽¹⁰⁾	N	Y	N

Note: ⁽¹⁰⁾The Alcatel 7340 FTTU System includes the 7340 H-ONT Home Optical Network Terminal, the 7340 P-OLT Packet Optical Line Terminal, the 7340 V-OLT Video Optical Line Terminal, and the 7340 AMS Access Management System.

- 9. Stored Program Digital Switching Equipment (Item "pc") – Redcom Laboratories, Inc.

Committee A granted Redcom Laboratories approval-to-bid its MDX Software Version 18. Software Version 18.1 replaces Software Version 18.0 which currently has approval-to-bid.

- 10. Stored Program Digital Switching Equipment (Item "pc") – Santera Systems

Committee A accepted Santera Systems' SanteraOne for listing on page 6.3 as follows:

pc - Stored Program Digital Switching Equipment

<u>Manufacturer</u>	<u>Base</u>	<u>Accepted System Release⁽⁵⁾</u>	<u>Acceptance Classification⁽¹⁾</u>	<u>RST(s)</u>
Santera Systems, Inc.	SanteraOne ⁽⁹⁾	1.3	A	SanteraOne

⁽⁹⁾Systems used for line access for this switch must be included in the *RUS List of Materials Acceptable for Use on Telecommunications Systems of RUS Borrowers* in category ae – Access Equipment.

Miscellaneous

- I. Committee A sent an April 23, 2003 letter to Lucent Technologies acknowledging that Lucent is also marketing the currently listed BZ-RS self unit and the 5ESS-2000 Release 5E16.2 as the 5E-XC Remote Line Unit and the 5E-XC Service Rich Software. The April 23 letter also acknowledged revision of Lucent's listing to reflect reference to the 5E-XC as follows:

pc - Stored Program Digital Switching Equipment

<u>Manufacturer</u>	<u>Base</u>	<u>Accepted System Release⁽⁵⁾</u>	<u>Acceptance Classification⁽¹⁾</u>	<u>RST(s)</u>
Lucent Technologies	5ESS-2000 ⁽⁶⁾	5E16.2	A	EAIU BZ-RS/EAIU RSM ORM TRM

⁽⁶⁾The 5ESS-2000 digital exchange listing includes the compact digital exchange 5ESS-2000 (CDX) and the very compact digital exchange 5ESS-2000 (VCDX) in host and remote switching terminal configurations (DRM). The listing also includes the EAIU/BZ-RS Unit, also called the 5E-XC Remote Line Unit. When a VCDX is upgraded to a CDX or full sized 5ESS-2000, it can host the listed RSTs. Unless it is upgraded it can only host the EAIU. Emergency call processing using the BZ-RS is only offered for EAIU Units that are hosted from a full sized 5ESS-2000 or from a DRM. The BZ-RS cannot be used to provide emergency call processing on EAIU Units hosted from a CDX or from a VCDX. System Release 5E16.2 is designated 5E-XC Service Rich Software by Lucent.

- II. Committee A sent an April 24, 2003 letter to Zhone Technologies acknowledging Zhone Technologies acquisition of NEC Eluminant Technologies, Inc., including the ISC-303 DLC and VISTA SONET ADM products currently listed in the List of Materials. The April 24 letter also acknowledged the subsequent revision of the listings under the NEC Eluminant name to reflect the designation "Zhone Technologies" as follows:

Page 6.1

ae - Access Equipment

<u>Manufacturer</u>	<u>Product</u>	<u>Copper</u>	<u>Fiber</u>	<u>Wireless</u>
Zhone Technologies	ISC-303	Y	Y	N

Page 6.2

te - Transport Equipment

<u>Manufacturer</u>	<u>Product</u>	<u>Interface Rate</u>	<u>RF Band</u>
Zhone Technologies	VISTA	OC-3/12	

Sincerely,

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