

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

June 26, 2002

TECHNICAL STANDARDS COMMITTEE "A" (TELECOMMUNICATIONS) MEETING #748

Summary of Decisions

1. Fiber Optic Cable (Item "oc") - Taihan Electric Wire Company, Ltd.

Committee A granted Technical Acceptance to Taihan's single mode, multiple loose tube, nonarmored and armored, dry-filled, fiber optic cable designs. The designs, designated TEC-DU and TEC-DB, will be included on the non-domestic products web page as follows:

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⁾⁽⁴⁾

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>
Taihan ⁽⁵⁾	-	TEC-DU	-	TEC-DB	-	X	-

Suffixes:

- E - Nonarmored with Metallic Central Strength Member
- F - Nonarmored with Dielectric Central Strength Member
- G - Armored with Metallic Central Strength Member
- H - Armored with Dielectric Central Strength Member
- P - Preconnectorized Cable
- s - Single Mode
- m - Multimode

Notes:

- ⁽¹⁾Aerial and duct use only.
- ⁽²⁾Replace (X) with the manufacturer's catalog designation shown in the listing for Cable Construction Types E through H.
- ⁽³⁾May contain multiple fibers per tube.
- ⁽⁴⁾Cable uses a "Water Blocking Tape" in place of a "Gel Compound" as the filling compound surrounding the multiple loose tube buffers in the cable core.
- ⁽⁵⁾Accepted only for dispersion-unshifted single mode optical fibers.

Technical acceptance expires on **10/31/04**.

2. Fiber Optic Cable (Item "oc") - Samsung Electronics Company, Ltd.

Committee A granted Technical Acceptance to Samsung's SC-LMN/100 gel-filled and SC-LMN/200 and SC-LMA/200 dry-filled, fiber optic cable designs. The designs will be included on the non-domestic products web page as follows:

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-b Gel-Filled Multiple Loose Tube Fiber Core Construction⁽³⁾

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>
Samsung ⁽⁴⁾	SC-LMN/100	-	-	-	-	X	-

Suffixes:

- E - Nonarmored with Metallic Central Strength Member
- F - Nonarmored with Dielectric Central Strength Member
- G - Armored with Metallic Central Strength Member
- H - Armored with Dielectric Central Strength Member
- P - Preconnectorized Cable
- s - Single Mode
- m - Multimode

Notes:

- ⁽¹⁾Aerial and duct use only.
- ⁽²⁾Replace (X) with the manufacturer's catalog designation shown in the listing for Cable Construction Types E through H.
- ⁽³⁾May contain multiple fibers per tube.
- ⁽⁴⁾Accepted only for dispersion-unshifted single mode optical fibers.

Technical acceptance expires on **10/31/04**.

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⁾⁽⁴⁾

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>
Samsung ⁽⁵⁾	SC-LMN/200	-	SC-LMA/200 ⁽⁶⁾	-	-	X	-

Suffixes:

- E - Nonarmored with Metallic Central Strength Member
- F - Nonarmored with Dielectric Central Strength Member
- G - Armored with Metallic Central Strength Member
- H - Armored with Dielectric Central Strength Member
- P - Preconnectorized Cable
- s - Single Mode
- m - Multimode

Notes:

- ⁽¹⁾Aerial and duct use only.
- ⁽²⁾Replace (X) with the manufacturer's catalog designation shown in the listing for Cable Construction Types E through H.
- ⁽³⁾May contain multiple fibers per tube.
- ⁽⁴⁾Cable uses a "Water Blocking Tape" in place of a "Gel Compound" as the filling compound surrounding the multiple loose tube buffers in the cable core.
- ⁽⁵⁾Accepted only for dispersion-unshifted single mode optical fibers.
- ⁽⁶⁾Single armor, double jacket design only.

Technical acceptance expires on 10/31/04.

3. Underground Conduit (Item "hc") - Flying "W" Plastics

Committee A accepted Flying "W" Plastics' HDPE smooth-wall coilable polyethylene flexible plastic duct for listing on page 2.2 as follows:

<u>Manufacturer</u>	<u>Type Conduit</u>	<u>Catalog Number</u>
<u>hc - Underground Conduit</u>		
Flying "W" Plastics	Flexible plastic	HDPE Duct

4. Precast Concrete Manholes (Item "hm") - Northwest Pipe & Tank, Inc.

Committee A accepted Northwest Pipe & Tank's #8-C257 pre-cast manhole for listing on pages 2.7.2 and 2.7.3 as follows:

<u>Manufacturer</u>	<u>Base Size</u>	<u>Catalog Number</u>
<u>hm - Precast Concrete Manholes⁽¹⁾</u>		
Northwest Pipe & Tank, Inc.	7' x 5' x 7'	#8-C257 ⁽⁵⁾

Notes:

- (1) Consult manufacturer for ordering procedure concerning depth of the hole (Headroom), type of manhole (A, J, L, T), and extension sections.
- (2) Equipped with 27-inch frame and cover made by Dewey Brothers Foundry.
- (3) This manhole comes with an option for a D and L Foundry A1381 cast iron cover with security bolts.
- (4) This manhole comes with Alhambra Foundry Cover, drawing No. A-1133.
- (5) This manhole can be 6 feet in height.

5. Cable Markers (Item "tm") - Multilink Broadband

Committee A accepted Multilink's lasered fiber optic markers for listing on page 3.2 as follows:

<u>Manufacturer</u>	<u>Catalog Number</u>
<u>tm - Cable Markers</u>	
<u>Sleeves</u>	
Multilink	MFM-12 MFM-15 MFM-20

6. Transport Equipment (Item "te") - Lucent Technologies

Committee A accepted Lucent Technologies' Metropolis DMX system for listing on page 6.2 as follows:

<u>te - Transport Equipment</u>			
<u>Manufacturer</u>	<u>Product</u>	<u>Bit Rate</u>	<u>RF Band</u>
Lucent	Metropolis DMX	OC-3/12/48	

7. Stored Program Digital Switching Equipment (Item "pc") - Siemens Carrier Networks, LLC

Committee A accepted Siemens' EWSD System Release 19.0 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>
Siemens Information and Communications Networks	EWSD ⁽⁸⁾	19.0	A	RCU RCU-160C RCU-800C Smart Remote

⁽⁸⁾The EWSD listing includes the EWSD Small Exchange (EWSD-SX) and does not include the Line Trunk Group O (LTGO).

8. Stored Program Digital Switching Equipment (Item "pc") - Nortel Networks, Inc.

Committee A granted Nortel approval to bid the DMS-100 System Release LEC00017.

9. Transport Equipment (Item "te") - Fujitsu Network Communications, Inc.

Committee A granted Technical Acceptance to Fujitsu's FLASHWAVE 4500 multiservice optical transport platform as follows:

te - Transport Equipment

<u>Manufacturer</u>	<u>Product</u>	<u>Bit Rate</u>	<u>RF Band</u>
Fujitsu	FLASHWAVE 4500	OC-48/192	

Technical acceptance expires on **06/26/04**.

Sincerely,

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