



Administrative Council for Terminal Attachments (ACTA)

Guidelines & Procedures for Terminal Registration

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ACTA is sponsored by the
Telecommunications Industry Association and the
Alliance for Telecommunications Industry Solutions

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1 Introductions

The Administrative Council for Terminal Attachment (“ACTA”) was established pursuant to the Federal Communication Commission’s (“FCC”) Report and Order in the 2000 Biennial Review of Part 68 of the Commission’s Rules and Regulations, CC Docket No. 99-216, FCC 00-400, adopted November 9, 2000 and released December 21, 2000 (“Order” or “R&O”). The Order directed the industry, through the co-sponsorship and support of the Telecommunications Industry Association (“TIA”) and the Alliance for Telecommunications Industry Solutions (“ATIS”) to establish the ACTA as the open body that would assume the Commission’s Part 68 role for those items privatized in the Order. (Section 68.602).

2 Mission & Scope

The mission of ACTA is to: (1) adopt technical criteria for terminal equipment to prevent network harm through the act of publishing such criteria developed by the American National Standards Institute (“ANSI”) accredited standards development organizations; and (2) establish and maintain database(s) of equipment approved as compliant with the technical criteria.

This document outlines the guidelines and procedures relevant to maintaining a database(s) of equipment approved as compliant. Before equipment is placed in the database, the information and items requested in this document must be received. These guidelines and procedures apply to both Telecommunications Certification Bodies (TCB) and suppliers utilizing a Supplier’s Declaration of Conformity.

3 General Filing Guidelines

All filings must be mailed to the ACTA Secretariat at the address below. All requested items (except payment) should be submitted on Compact Disk (CD), and in Adobe (PDF) format. Filings not submitted in the format requested could severely delay registration. Other techniques for filing (e.g., website access) are currently under development. Once implemented, this document will be revised.

A registration fee for recording, updating, and maintaining information/content in the ACTA Database is required. All registration fees must be submitted by check payable to ATIS/ACTA Secretariat, until alternative methods are implemented. The registration fee for all original filings is \$300.00 (US). The fee for non-original filings (i.e., modifications to existing terminal equipment) is \$150.00 (US). Parties filing for an ‘Applicant Code’ are charged \$300.00 (US) per code.

All filings shall be sent to:

ATIS
Attn: ACTA Secretariat
1200 G Street N.W., Suite 500
Washington, DC 20005

4 Telecommunications Certification Body (TCB) Filings

4.1 Definition

In 1998, the FCC adopted procedures whereby terminal equipment suppliers may submit their products to private telecommunications certification bodies (TCBs) for terminal equipment certification.¹ The TCB program was designed in connection with Mutual Recognition Agreements/ Arrangements (MRAs) between the United States and the European Union (EU), and the Asia-Pacific Economic Cooperative (APEC). The objective of the MRA is to facilitate market access and competition in the provision of telecommunications products that require testing and/or approval. Under the MRAs, TCBs satisfying the qualification criteria may certify equipment. TCBs accredited for Part 68 are listed in Appendix B.

4.2 TCB Requirements

TCBs filing terminal equipment registrations must be accredited by the National Institute of Standards and Technology (NIST) for Part 68². TCBs shall assume responsibilities for the terminal equipment they certify, and ensure certification is in an efficient and nondiscriminatory manner.

At a minimum, TCBs must meet all the appropriate specifications in *IEC/ISO Guide 65, General Requirements for Bodies Operating Product Certification Systems*, for the scope of equipment it certifies. TCBs shall also demonstrate expert knowledge of the technical criteria. Such expertise shall include familiarity with all applicable technical specifications, administrative provisions or requirements, as well as the policies and procedures used in the application thereof. The TCB shall also be accredited in accordance with *IEC/ISO Guide 25, General Requirements for the Competence of Calibration and Testing Laboratories*, and have the technical expertise and capability to test the equipment it certifies.

4.3 Filing Utilizing TCB

TCBs must provide the following information.

- 1) **Registration Fee:** Refer to “General Filing Guidelines”.
- 2) **Copy of Certification:** A copy of the certification granted to the responsible party must be submitted with each original filing.
- 3) **Product Information:** All relevant information specified in Appendix A: Terminal Equipment Details must be submitted. The extent of information provided will depend on the type of filing (i.e., original, re-certification, modification, etc..).
- 4) **List of Authorized Submitters:** Unless on file, a list of personnel authorized to file on behalf of the TCB must be provided.
- 5) **Copy of NIST/ANSI Certificate:** Unless on file, a copy of the NIST/ANSI TCB accreditation certificate for Part 68 must be submitted.

¹ *MRA Order*, 13 FCC Rcd at 24693, para. 14.

² Refer to requirements of 47 CFR Part 68, Sec. 68.162 Requirements for Telecommunication Certification Bodies.

5 Supplier's Declaration of Conformity (SDoC) Filings

5.1 Definition

A Supplier's Declaration of Conformity (SDoC) is a procedure where the responsible party makes technical test measurements or takes other necessary steps (independent lab) to ensure that the terminal equipment complies with ACTA's adopted technical standards. Moreover, the Supplier's Declaration of Conformity signifies that the responsible party has determined that the equipment has been shown to comply with the appropriate technical criteria.

5.2 Supplier's Declaration of Conformity Requirements³

A Supplier's Declaration of Conformity (SDoC) must accompany all terminal equipment registration filings submitted to ACTA under the SDoC alternative. Responsible party's must also make a copy of the Supplier's Declaration of Conformity freely available to the general public on its company website. A copy must also be included in the terminal equipment owner's manual or its packaging.

The responsible party for a Supplier's Declaration of Conformity may license or otherwise authorize a second party to manufacture the equipment covered by the Supplier's Declaration of Conformity provided that the responsible party shall continue to be responsible to the Commission for ensuring that the equipment produced pursuant to such an agreement remains compliant with the appropriate technical criteria⁴.

If the terminal is designed to operate in conjunction with other equipment, the characteristics of which can affect compliance of such device with Part 68 rules and/or with technical criteria published by ACTA, the Model Number(s) of the other equipment must be supplied, and must include a Supplier's Declaration of Conformity or a certification from a TCB.

If terminal equipment contains protective circuitry that is subject to a Supplier's Declaration of Conformity, the responsible party for the protective circuitry must include with each module of such circuitry, a Supplier's Declaration of Conformity containing the information required herein and under §68.340(a), and the responsible party of such terminal equipment shall include such statement with each unit of the product.

5.3 Supplier's Declaration of Conformity Content

The Supplier's Declaration of Conformity must, at a minimum, include the following information:

- (1) The identification and description of (1) the responsible party for the Supplier's Declaration of Conformity and (2) the product; including the model number of the product.
- (2) Statement that the terminal equipment conforms with applicable technical requirements, and a reference to the technical requirements.
- (3) Date and place of issue of the declaration.
- (4) Signature, name and function of person making declaration.

³ FCC 47 CFR Part 68, Sec. §68.324

⁴ FCC 47 CFR Part 68, Sec. §68.322

- (5) Statement that the handset, if any, complies with §68.316 of the FCC Rules defining HAC, or that it does not comply with that section. Note: a telephone handset which complies with §68.316 can be deemed a "hearing aid-compatible telephone" for purposes of §68.4.
- (6) For a telephone that is not HAC, as defined in §68.316, the responsible party shall provide the following in the Supplier's Declaration of Conformity: (1) notice that FCC rules prohibit the use of that handset in certain locations; and (2) a list of such locations (see §68.112).

5.4 Indemnification Statement

Responsible party shall indemnify and hold harmless the Administrative Council for Terminal Attachment ("ACTA"), its members, directors, Secretariat, and Sponsors against any and all liability, loss, cost, damage, claims, suits or expenses (including reasonable attorneys' fees and costs) of any kind whatsoever, arising in any way from any negligent or willful acts or omission or breach of this Declaration by Responsible party or its agents or employees, or from the Responsible party use, marketing, or sale of the specified product, including but not limited to third party claims for injury or damage allegedly caused by the performance or failure to perform of the specified product or false or misleading advertising or marketing in connection with the specified product, during the period of the Declaration or thereafter.

5.5 Liability Statement

Responsible party shall acknowledge and agree that the Administrative Council for Terminal Attachment ("ACTA"), its members, directors, Secretariat, and Sponsors shall not be responsible for the loss, damage, or claim in connection with the use or marketing of the specified product, whether liability is asserted in contract or tort (including negligence or strict liability). In no event will either party be liable to the other party, or to any third party, for the loss of profits, loss of use, loss of production, loss of goodwill, or incidental, indirect, or consequential damages of any kind.

Responsible party will certify that during the period this Declaration is in effect, liability insurance in excess of two million dollars will be maintained. This policy limits will cover claims or suits arising from the specified product.

5.6 Filing Utilizing Supplier's Declaration of Conformity

Responsible parties filing a Supplier's Declaration of Conformity must provide the following information.

- 1) **Registration Fee:** Refer to "General Filing Guidelines".
- 2) **Copy of Supplier's Declaration of Conformity (SDoC):** Supplier's Declaration of Conformity must contain the statements and information as outlined above⁵.
- 3) **Product Information:** All relevant information specified in Appendix A: Terminal Equipment Details must be submitted. The amount of information provided will depend on the type of filing (i.e., original, re-certification, modification, etc.).
- 4) **Indemnification Statement:** Statement must be included with each original filing.
- 5) **Liability Statement:** Statement must be included with each original filing.
- 6) **List of Authorized Submitters:** Unless on file, a list of personnel authorized to file on behalf of the responsible party must be provided.

⁵ Also reference IEC/ISO Guide 22, General Criteria for Supplier's Declaration of Conformity.

- 7) **Copy of Part 68 Test Procedures:** Unless on file, a copy of the test procedures used to verify conformity must be submitted. Any deviations from these test procedures must be noted.

6 General Requirements

TCBs and parties filing a SDoC shall maintain, and have readily available, records containing the following information (unless otherwise noted):

- 1) Copy of the Supplier's Declaration of Conformity; for SDoC filings.
- 2) Copy of the Certificate of Approval; for TCB filings.
- 3) The identity of the testing facility, including the name, address, phone number and other contact information.
- 4) A detailed explanation of the testing procedure utilized to determine whether terminal equipment conforms to the appropriate technical criteria.
- 5) A copy of the test results for terminal equipment compliance with the appropriate technical criteria.

Responsible party's utilizing SDoCs shall maintain all records required under section 68.326(a) for at least ten years after the manufacture of the equipment on file has been permanently discontinued. TCB's shall adhere to the guidelines specified in the NIST accreditation program and the US/EU/APEC MRA.

Appendix A: Terminal Equipment Details (NORMATIVE)

Ref	Item Description	Data Base Field Name	Comments
1a	Name of Organization Granting Approval (FCC, TCB, Or Declarer)	LABCODE	
1b	TCB ID Code, if applicable	TCBCODE	
1c	Declaration of Conformity (SDoC), if applicable		
2	Terminal Approval Date		
3	Unique Identifier (1 to 9 digits)	REGFCCCODE	
4	Responsible Party Name and Address	APPLICANTNAME STREET CITYSTATEZIP	
5	US Service Center Name, Address and Phone number or contact name	NAMENUMBER	
6	Equipment Description	EQUIPMENTDESCRIPTION	
7	Responsible Party Grantee Code	APPLICANTCODE REGAPPCODE	Links applicant/responsible party name and address to main registration record
8	Manufacturer's Code	REGMANUCODE	Links Manufacturer name and address to main registration record; includes use of MUL
9	Current Certification Number (only if mod, Notice, or Re-certification filing)	REGSAFFECTED	
10	Equipment Code	REGEQUIPCODE	
11a	List of Trade Names including new & existing Trade names.	TRADENAME	
11b	List of model numbers including new & existing model names. Use FB and HAC.	MODELNO	
12	Network address signaling code	REGSIGNACODE	T = Tone R = Rotary E = Either N = Neither
13a	Consumer product characteristics -- AC REN	ACREN	

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Ref	Item Description	Data Base Field Name	Comments
13b	Consumer product characteristics -- HAC	HAC	
13c	Consumer product characteristics (continued) -- USOC jacks (N/A for equipment with no network connection)	USOCJACKS	
13d	Consumer product characteristics (continued) -- Repeat dials to same number? (Yes or No)	REPDIAL	
14	Status Code (modification, original, etc.)	TYPEFILING	
15	Facility Interface code (FIC)	FIC	
16	Manufacturer's Port ID	(PLACED IN EQ DESCRIPTION)	
17	Service Order Code(s)	SOC	
18	Answer supervision Codes	SOC	
19	Include ancillary equipment (consoles, telephones, modems, external power supplies, etc.)	DESCRIPTION	

Definition of Terminal Equipment Detail Items:

Item 1a: Name of Organization Granting Approval

List the complete name and address of the organization attesting to the terminal's conformity to Part 68 rules.

Item 1b: Telecommunication Certification Body (TCB) Identification Number

List the 3-digit TCB identifier for terminal registrations submitted by a registered TCB.

Item 1c: Supplier's Declaration of Conformity (SDoC)

Provide a copy of the Declaration of Conformity for terminal registration submitted under a SDoC.

Item 2: Terminal Approval Date

Provide the date the terminal was approved.

Item 3: Unique Identifier

Provide the manufacturer unique terminal identifier. Refer to TIA/TR41.11 Terminal Equipment Labeling Requirements.

Item 4: Responsible Party

List the complete name and address of the responsible party. The responsible party is the individual or company that accepts responsibility for the product and its compliance to Part 68 rules. Once an application has been granted the applicant is then referred to as the grantee.

Item 5: US Service Center

Applications will not be accepted without a USA point-of-contact. Show in this block the name, address and phone number of applicant's USA service center. The USA service center must be included in the applicant's instruction manual. Statements such as 'return to dealer' are not acceptable.

Item 6 – Equipment Description

For new applications (i.e., original filing) provide a brief description (in 10 words or less) of the terminal equipment. Example: 'Two line telephone with built-in answering machine'.

Item 7: Responsible Party Code

List applicants previously assigned FCC ID code, if known (a.k.a. grantee code). Otherwise leave blank.

Item 8 – Manufacturer Code

List manufacturer's previously assigned FCC ID code, if known. Otherwise leave blank.

Item 9: Current Registration Number

Provide current FCC certification number(s), if known. This is required for modification, notice and re-certification applications.

Item 10: Equipment Code

Refer to TIA/TR41.11 Terminal Equipment Labeling Requirements for the complete list of codes. Only one code can be specified. Select the code that best matches your product. If your equipment is currently certified, include in this box the equipment code already assigned to your equipment.

Item 11a: List of Brand or Trade Names including new & existing Names

List of trade or brand names, including new and existing trade names, under which this product will be marketed and sold. Note: The type of application being made impacts what information is to be included in this field. See also Item 14.

Item 11b: List of Model Numbers including new & existing Brand or Trade Names

List of model numbers for each trade or brand name under which this product will be marketed and sold. Note: The type of application being made impacts what information is to be included in this field. See also Item 14.

Item 12: Supplemental protection – Signaling code

Show the network address signaling code. Required for all applications. Indicate the type of network address signaling by one of the following code letters:

- T If the device performs tone (DTMF) signaling;
- R If the device performs rotary (pulse) signaling;
- E If the device performs either DTMF or pulse signaling;
- N If the device does no signaling.

Item 13a: AC Ringer Equivalence Number (REN)

The format to be used for the AC REN is REN (ac): n.nx, example: 1.0B, where n.n is the REN expressed in units and tenths. x is the appropriate ringer type. Only two ringer types are used: A for 20 and 30Hz; and B for ringers that work over the range of 15.3 to 68Hz. If the ringer equivalence number calculates to a value of less than 0.05, use 0.0. Report either A or B type REN, or it is permissible to report A and B. If Type A is to be used, calculate its value at 20 and 30Hz and use the larger value. If the B type is to be used calculate its value over the range of 15.3 to 68Hz and use the largest value.

Item 13b: Hearing Aid Compatibility (HAC)

All telephones imported (or manufactured in the U.S.) must be HAC (magnetic flux strength, 68.316). All cordless phones imported after August 1991 must also be HAC. Insert HAC ahead of the device or system model number. This is required for database management; marking of devices with the letters HAC prominently is required for all phones manufactured or imported after April 1997. Enter Yes, No, or Not Applicable (N/A).

Item 13c: USOC Jacks

List types of jacks required at the network interface. Use N/A for adjuncts that do not make direct connection to the network. Use "hardwired" for meter readers and alarm dialers (although some alarm dialers preferentially use the type RJ31X jack because of its call preemption feature.) Refer to ATIS Technical Report No. 5. If the equipment is for the connection of private line data modems see Item 27 for the use of the type JM8 jack.

Item 13d: Repetitive Dialing to a Single Number

Many telephones, dialers and alarm systems have the capability of repeat dialing to a single number. If the device or system has this feature, indicate this fact in this block. In Docket No. 81-216, Fourth Notice of Proposed Rulemaking, FCC 86-352, the Commission permitted computer-controlled automatic redialing but reserved the right to revisit this decision to ensure network protection, if necessary. Enter yes or no.

Item 14: Status Code

Type of application or filing. Mark only one box describing the primary reason for the application. If "other" is checked, write in the type of application. Each application must demonstrate that the covered equipment will not harm the network.

Original Filing

Original filings are required for covered equipment to be sold that previously has not been registered. Each filing must be complete and without reference to a previously submitted application.

Modification Filing

Modification filings are required to report changes to registered equipment when these changes affect electrical characteristics of that equipment, for example:

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A modification application will be accepted only when an original application for the terminal has previously been registered.

Notice (Notice of Change) Filing

Notice filings are required to maintain database accuracy when no electrical change has been made to the equipment. A notice filing is required, for example, when a trade name or model number is added to a previously granted registration. Typically, such additions describe cosmetic variations, or are for marketing the product under a different trade name or model number.

Re-registration (now called re-certification)

Re-certification applications are required for limited cases requiring the issuance of new certification numbers. They can include:

- (a) Changes in the network address signaling code (e.g., changing from a T to an E).
- (b) Establishing a new classification for equipment (e.g., a change to an MF classification based on a previously certified KF system).
- (c) Adding a new manufacturer, when manufacturing/distribution rights are transferred to another party.
- (d) When a vendor wants its own certification number for marketing reasons (with permission of the original grantee).

Item 15: Facility Interface Codes (FIC)

Provided is a partial list of common FIC codes. For a more complete list refer to ATIS Technical Report No. 5.

Analog Services	
FIC	Description
OL13A.	2-wire, Class A, PBX off-premises station port
OL13B	2-wire, Class B, PBX off-premises station port.
OL13C	2-wire, Class C, PBX off-premises station port.
LADC	Local area data channels *
METALLIC	2- or 4-wire metallic private line. *
TL11E	E&M Tie Trunk, Lossless, 2W, Type I, originates with ground on E
TL11M	E&M Tie Trunk, Lossless, 2W, Type I, originates with battery on M
TL12E	E&M Tie Trunk, Lossless, 2W, Type II, originates with ground on E
TL12M	E&M Tie Trunk, Lossless, 2W, Type II, originates with battery on M
TL31E	E&M Tie Trunk, Lossless, 4W, Type I, originates with ground on E
TL31M	E&M Tie Trunk, Lossless, 4W, Type I, originates with battery on M
TL32E	E&M Tie Trunk, Lossless, 4W, Type II, originates with ground on E
TL32M	E&M Tie Trunk, Lossless, 4W, Type II, originates with battery on M
02AC2	2 wire voice transmission with customer-provided ringing 600 ohms*
02GS2	2-wire ground-start signaling closed end provided by end user 600 ohms
02LA2	2-wire, certified, Class A, PBX off-premises station port 600 ohms
02LB2	2-wire, certified, Class B, PBX off-premises station port 600 ohms
02LC2	2-wire, certified, Class C PBX off-premises station port 600 ohms
02LR2	2-wire Private Line Automatic Ringdown, ringing from LEC, 600 ohms*
02LS2	2-wire loop-start signaling closed end provided by end user 600 ohms
02NO2	4-wire voice transmission with no LEC-provided signaling 600 ohms*
02RV2.0	. 2-wire loop reverse battery signaling, loop closure from customer, reverse battery from LEC, 600 ohms. Used for PBX-E911 trunks. *
02RV2.T	2-wire loop reverse battery signaling, loop closure from customer, reverse battery from LEC, 600 ohms. Used for DID ports.
04AC2	4-wire voice transmission with customer-provided ringing 600 ohms*
04GS2	4-wire ground-start signaling closed end provided by end user 600 ohms*

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04LR2	4-wire Private Line Automatic Ringdown, ringing from LEC, 600 ohms*
04LS2	4-wire loop-start signaling closed end provided by end user 600 ohms*
04NO2	4-wire voice transmission with no LEC-provided signaling 600 ohms. (Applicable to "hoot 'n holler" circuits.) *
04RV2.T	2-wire loop reverse battery signaling, loop closure from customer, reverse. battery from LEC, 600 ohms. Used for DID ports. *
06EA2.M	6-wire Type I E&M signaling – Battery on M lead to originate, 600 ohms. Same as TL31M except with transmit TLP values of -2 to +3 dBm.
08EB2.M	8-wire Type II E&M signaling – Battery on M lead to originate, 600 ohms. Same as TL31M except has expanded receive TLP values of 0 to -8 dBm.\
Digital Services	
FIC	Description
02DU5.56B	2-wire Switched 56 kbps Type III PSDS, 135 ohms.
02DU7.56B	2-wire Switched 56 kbps Type II PSDS, 124 ohms.
02IS5	2-wire Basic Rate ISDN , 135 ohms.
04DU5.19	4-wire 19.2 kbps digital interface, 135 ohms.
04DU5.19S	4-wire 19.2 kbps digital interface with secondary channel, 135 ohms.
04DU5.24	4-wire 2.4 kbps digital interface, 135 ohms.
04DU5.24S	4-wire 2.4 kbps digital interface with secondary channel, 135 ohms.
04DU5.38	4-wire 38.4 kbps digital interface, 135 ohms.
04DU5.38S	4-wire 38.4 kbps digital interface with secondary channel, 135 ohms.
04DU5.48	4-wire 4.8 kbps digital interface, 135 ohms.
04DU5.48S	4-wire 4.8 kbps digital interface with secondary channel, 135 ohms.
04DU5.56	4-wire 56 kbps digital interface, 135 ohms.
04DU5.56B	4-wire Switched 56 kbps Type I PSDS, 135 ohms.
04DU5.56S	4-wire 56 kbps digital interface with secondary channel, 135 ohms.
04DU5.64	4-wire 64 kbps digital interface, 135 ohms.
04DU5.96	4-wire 9.6 kbps digital interface, 135 ohms.
04DU5.96S	4-wire 9.6 kbps digital interface with secondary channel, 135 ohms.
04DU9.BN	4-wire 1.544 Mbps (DS1) with SF, AMI, no line power, 100 ohms.
04DU9.DN	4-wire 1.544 Mbps (DS1) with SF, B8ZS, no line power, 100 ohms.
04DU9.1KN	4-wire 1.544 Mbps (DS1) with ESF, AMI, no line power, 100 ohms.
04DU9.1SN	4-wire 1.544 Mbps (DS1) with ESF, B8ZS, no line power, 100 ohms. *

Analog Services: * - These services are subject to local availability

Digital Services: * May be used for Primary Rate ISDN.

Item 16: Manufacturer Port ID

Manufacturer's part number or model number for circuit pack or card for that specific network port.

Item 17 & 18: Service Order Codes (SOC) and Answer Supervision Codes

Provided a partial list of the most commonly used codes.

Service Order Codes (SOC)	
Analog Services	
SOC	Description
9.0F	Full protection to the network from systems using live voice. Only certified terminal equipment can be connected to station ports.
9.0N	Unprotected systems. Requires use of certified protective couplers or filing of affidavits with the telco. See Sections 68.215(d) and (e)
9.0Y	Provides full Part 68 protection. Provides signal limiting for ALL signal sources (not just from MOH).
7.0Y	Provides total protection to the network for connection of private communication systems.

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7.0Z	Host system port provides partial protection to the network for connection of private communication systems. Requires filing of signal power affidavit with telco.
Digital Services	
SOC	Description
6.0Y	Provides total protection, including billing protection and encoded analog content.
6.0F	Combinations of equipment provide full protection to digital service. Billing protection and encoded analog protection are provided either by including auxiliary equipment within the certification envelope or by use of a separately certified device.
6.0N	Does not provide billing and encoded analog protection. Uses either an integrated or external CSU. Affidavit to telco is required. (See section 18.3)
6.0P	Provides billing and encoded analog protection (similar to 6.0F) but requires separate CSU.

Appendix B: List of TCBs (INFORMATIVE)

BABT Product Service, Inc

4855 Patrick Henry Dr, Bldg. 6
Santa Clara, CA 95054
Tel: 978-663-1500
Fax: 978-663-1501
Contact: Mr. Bill Toth – btoth@tuvam.com

CKC Certification Services

5473A Clouds Rest
Mariposa, CA 95338
Tel: 209-966-5240
Fax: 209-742-6133
Contact: Dennis Ward – dennisw@ckc.org

Communication Certification Laboratory

1940 W. Alexander St.
Salt Lake City, UT 84119-2039
Tel: 801-972-6146
Fax: 801-972-8432
Contact: Ms Ahn Wride – atw@cclab.com

Compliance Certification Services

1366 Bordeaux Drive
Sunnyvale, CA 94089-1005
Tel: 408-752-8166
Fax: 408-752-8168
Contact: Mr. Steve Hsu - www.ccsemc.com

Curtis-Straus LLC

527 Great Road
Littleton, MA 01460
Tel: 978-486-8880
Fax: 978-486-3529
Contact: Jon Curtis – jdc@curtis-straus.com

Elite Electronic Engineering, Inc.

Downers Grove, IL 60515
Tel: 603-495-9770
Contact: Mr. Steve Laya - sales@elitetest.com

Intertek Testing Services

70 Codman Hill Road
Boxborough, MA 01719 USA
Tel: 978 635 8500
Fax: 978 263 7086
Contact: [Roland Gubisch](mailto:Roland.Gubisch@1tsqs.com) rwg@1tsqs.com

MET Laboratories, Inc.

914 W. Patapsco Ave.
Baltimore, MD 21230-3432
Tel: 410-354-3300
Fax: 410-354-3313
Contact: Mr. Leonard Frier -
Lfrier@metlabs.com

PCTEST Engineering Laboratory, Inc.

6660-B Dobbin Road
Columbia, MD 21045
Tel: 410-290-6652
Fax: 410-290-6654
Contact: Mr. Randy Ortanez –
randy@pctestlab.com

Timco Engineering, Inc.

849 NW State Road 45
P.O. Box 370
Newberry, FL 32669
Tel: 352-472-5500
Fax: 352-472-2030
Contact: Sid Sanders – sid@timcoengr.com

TUV Rheinland of North America, Inc.

Product Safety Division
12 Commerce Road
Newtown, CT 06470
Tel: 203-426-0888
Fax: 203-270-8883
Contact: Mr. Timothy Dwyer -
Tdwyer@us.tuv.com

Underwriters Laboratories, Inc.

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