

Database Items for Terminal Registration

Date: June 20, 2001

Source: Tim Jeffries
Chair, ACTA Database Working Group

Recommendation:

That ACTA adopt the database content as specified by the ACTA Database Working Group for all TTE registrations going forward, and approve the proposed plan for accessing the database and entering data. The specified database content is attached.

Background:

During the ACTA May 22nd meeting, the Council agreed to establish an informal working group to discuss the functionality of the database containing the list of ACTA registered terminals. Three basic issues pertaining to the database development needed to be addressed by the group: (1) which fields should be included in the database; (2) what will the overall design of the database look like, and (3) how will the “end-user” access the database.

Drawing from work efforts and documents initiated in TIA committees TR41.11 and TR41.11.WG-1, together with input from the Council and FCC, the Database Working Group (db-WG) identified 19 specific items (or database fields) from the existing FCC 730 Application Form necessary for terminal registration going forward. Items not specified, but currently included in the database (with one exception), will remain in the ‘main’ database for backwards compatibility or potential use in the future. The field containing the ‘Party to Receive Grants’ will be permanently deleted from the database as it could be used to gain a competitive advantage. Additionally, the field containing the ‘Manufacturer’s Name & Address’, while continued to be supported in the database, will be ‘sealed’ from the public and only accessible by authorized entities; again, due to competitive reasons. Additional changes can be made as deemed necessary by the Council going forward. Documents used to create the list of items are referenced in the attached list of database items.

The dB-WG also discussed the need for ACTA to undertake a significant effort to ‘back-fill’ the database with some data not presently included from TCB filings. Having reviewed the items/fields that are included, the group agreed the existing information was sufficient. Back-filling the database with the missing information can be revisited should the need arise, however. Fields populated in the current database from TCB filings are noted in the attached with the superscript (TCB).

With respect to the method for database access, and overall design, the working group agreed to monitor the ACTA website as presently presented, and collect information for analysis. Pertinent details such as defining the typical ‘end-users’ and the information they seek to obtain from the database (i.e., website) is essential to ascertain what data needs to be delivered, and how it’s presented. Once a sufficient amount of information is collected from this monitoring process, the db-WG will revisit the issue and devise recommendations for the Council’s review.

Data entry in the ‘main’ ACTA database will be limited to the ACTA Secretariat, initially. Work to create an efficient interface for TCB and SDoC input and updates to the ‘main’ database will continue. ACTA will be updated as work progresses.

Conclusion:

Having discussed the issues as outlined by the Council, the db-WG reached unanimous agreement on all issues. Listed are the members of the Database Working Group:

Tim Jeffries, db-WG Chair
Lee Chen, ATIS, Database Manager (Acting)
Jimmy Salinas, ACTA Chair
Cliff Chamney, ACTA IXC Segment Rep.
Clint Pinkham, ACTA TEM Segment Rep.
Bill Howden, FCC, Invited Guest

Steve Whitesell, ACTA TEM Segment Rep.
John Bipes, ACTA OIP Segment Rep.
Anh Wride, ACTA Lab Segment Rep
Greg Slingerland, Interested Party
Scott Roleson, Interested Party



Administrative Council for Terminal Attachment (ACTA)

Database Items for Terminal Registration

Ref	Item Description	FCC Data Base Table Name	FCC Data Base Field Name	Comments
1a	Name of Organization Granting Approval (FCC or name of TCB or declarer)	CIC	LABCODE	Addition. (Suggest that test lab field be used)
1b ^(TCB)	TCB ID Code, if applicable		TCBCODE	
1c	Declaration of Conformity (SDoC), if applicable			
2 ^(TCB)	Terminal Approval Date			
3 ^(TCB)	Unique Identifier (1 to 9 digits)	CIC	REGFCCCODE	Addition.
4 ^(TCB)	Applicant/Grantee/Responsible Party Name and Address	APPLIC	APPLICANTNAME STREET CITYSTATEZIP	
5	US Service Center Name, Address and Phone number or contact name	CIC	NAMENUMBER	
6 ^(TCB)	Equipment Description	CIC	EQUIPMENTDESC RIPTION	
7 ^(TCB)	Applicant/Grantee/Responsible Party Grantee Code	APPLIC CIC	APPLICANTCODE REGAPPCODE	Links applicant/responsible party name and address to main registration record
8	Manufacturer's Code	MANUFA CIC	REGMANUCODE	Can it be retained for future use? 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)	TRAMOD	REGSAFFECTED	
10 ^(TCB)	Equipment Code (matches "EquipmentName" in tblEquipment - see below)	CIC	REGEQUIPCODE	Further Thought
11a ^(TCB)	List of Trade Names including new & existing Trade names.	TRAMOD	TRADENAME	
11b ^(TCB)	List of model numbers including new & existing model names. Use FB and HAC as appropriate (see also item 31)	TRAMOD	MODELNO	(includes FB and HAC)

Ref	Item Description	FCC Data Base Table Name	FCC Data Base Field Name	Comments
12 ^(TCB)	Supplemental protection (clamping and fusing parts); network address signaling code required	CIC	REGSIGNACODE	T = Tone R = Rotary E = Either N = Neither
13a	Consumer product characteristics -- AC REN	CIC	ACREN	
13b	Consumer product characteristics -- HAC	CIC	HAC	
13c	Consumer product characteristics (continued) -- USOC jacks (N/A for equipment with no network connection)	CIC	USOCJACKS	
13d	Consumer product characteristics (continued) -- Repeat dials to same number? (enter Yes or No)	CIC	REPDIAL	
14 ^(TCB)	Status Code (modification, original, etc.)	CIC	TYPEFILING	same as 11
15	Facility Interface code (FIC)	CIC	FIC	(where ports are entered)
16	Manufacturer's Port ID		(PLACED IN EQ DESCRIPTION)	
17	Service Order Code(s)	CIC	SOC	
18	Answer supervision Codes	CIC	SOC (PER NOTE IN GUIDE)	Potential for future removal
19	Include ancillary equipment (consoles, telephones, modems, external power supplies, etc.)	ANCIL	DESCRIPTION	

Definition of Database 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:

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*
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.
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.

Answer Supervision Codes for Systems and Terminal Equipment	
Code	Description
AS.2	System ports that provide answer supervision (for system types such as CD, KF, MF, PF, VM, etc.)
AS.3	Terminal equipment or combinations of terminal equipment that provides answered supervision.

Note: Include as a Service Order Code

Item 19: Ancillary Equipment in Certification Envelope

Provide model and list subsystem elements by name and manufacturer's port number that fall within the certification "envelope." Show capacity of each mode (number of ports or number of CO lines and number of station ports.) If telephones and consoles are HAC, indicate by using HAC. This table is not required for single and two line devices. If cordless phones are used as stations, indicate the frequency band used and that digital security coding is employed.

	Certification Status*	Trade Name	Model Number	List of Ancillary Equipment by Type**	Manufacturer's Identifier
1					
2					
3					

Note: * The certification status column indicate the type of filing for all entries using these codes:

Status Code Definition of Code

NEW -- New with this submission

MOD -- Modified from previous submissions

PREV -- Previously certified, no change

MD -- Manufacturing Discontinued, may exist in product in the field

RECERT -- Re-Certification

Note **: This includes items such as, but is not limited to, consoles, telephones, external power supplies, and modems.

REFERENCES

The following documents were used and/or referenced when complying, and defining, the items specified.

Document	Description
ACTA-01-05-22-06	TR41.11 Correspondence (List of items in Form 730)
TIA/TR41.11-01-05-022	Starter List of Items for ACTA Database
N/A	FCC Variables Matrix
Form 730	FCC Registration Form
TIA/TR41.11	Terminal Equipment Labeling Requirements
TIA/TR41.11	Part 68 Application Guide