

Introduction: The following table is a working document maintained by the TIA TR-45 ESN/UIM/MEID Ad Hoc Group

ESN Migration to MEID (includes UIM ID to E-UIM ID)
Milestones & Timeline

<u>Line item</u>	<u>Target Date</u>	<u>Milestone / Action</u>	<u>Notes</u>	<u>Status</u>	<u>Fora</u>
1	n/a	3GPP2 S.R0048-A 3G Mobile Equipment Identifier (MEID)	MEID Stage 1. S.R0048-A. v4.0 published 11/05' aligns with X.S0008.	Publ. Initial ver 03/2001	3GPP2
2	n/a	S.R0111-0 Expanded R-UIM Identifier - Stage 1 Requirements	Ver 2.0 published 06/07'	Publ. Initial ver 11/05'	3GPP2/ TIA
3	n/a	3GPP2 SC.R4001-0 (formerly S.R 0088-0) Global Wireless Equipment Numbering Administration Procedures publication.	3GPP2 SC.R4001-0 Global (GDA/GHA) Administration revised v2.0 and the TIA transcribed version v2.0 are published. Version 2.2 updates are in progress 3/11'. EUMAG chair is editor.	Publ. Initial ver 03/2004 Ver 2.0 12/10'	3GPP2/TIA
4	01/2004	3GPP2 SC.R4002-0 (formerly S.R 0089-0) GHA Assignment Guidelines and Procedures for MEID and SF_EUIMID publication.	SC.R4002-0 MEID GHA v10.0 is published and the TIA transcribed version v10.0 approved for web posting . EUMAG chair is editor.	Publ. Initial ver 01/04' Ver 10.0 12/2013'	3GPP2/ TIA
5	n/a	SC.R4003-0 Expanded R-UIM Numbering Administration Procedures		Publ. 06/07'	3GPP2/ TIA
6	05/2001	SC.R4004-0 (formerly S.R0034-0) User Identification Module ID Manufacturer's Code Assignment Guidelines and Procedures	* S.R0034-0 elevated to 3GPP2 SC level document SC.R4004-0 v1.0 published 1/17/08'	Publ.- Init 05/01' SC 01/08'	3GPP2/ TIA
7	12/2003	TIA TR-45 AHAG (Authentication) MEID status	No intentions to use MEID for authentication.	Closed 12/2003	TIA

8	6/15/2006	TR-45 LAES AdHoc SP-3-4465-RV2-AD1, ANSI/J-STD-025-B-1 (addendum to include MEID)	ANSI/J-STD-025-B, published July 2006. The MEID addendum to ANSI/J-STD-025-B was approved by ANSI for publ. 9/8/06. ANSI reaffirmed 4/26/12'.	Publ. 09/2006	TIA
9	11/2003	TIA TR-45.3 Develop & Publish TIA-943 MEID (TDMA) Std	Published	Publ. 11/2003	TIA
10	01/2004	TR-45.3 Incorporate MEID in TIA/EIA-136E	Fully incorporated based on latest Publ. date of various parts of that standard.	Publ. 1/20/04	TIA
11	3Q2004	TIA TR-45.4 Develop & Publish MEID (IOS 5.0)/A.S0011 Standard		Publ. 02/2005	TIA/ 3GPP2
12	12/2005	TR-45.4 Update IOS v5.0.1 for "MEID for CDMA2000®" (A.S0011 to 0017-C v2.0 /TIA 2001-D-1)	Implementing MEID & PLCM features in a pre-Rev D MS & base station.	Publ. 01/2006	TIA/ 3GPP2
13	1Q2004	TIA TR-45.5 Develop & Publish TIA-2000-D MEID (Air Interface) Standard (3GPP2 C.S0005-D)	Published	Publ. 03/2004	TIA/ 3GPP2
14	09/2004	TR-45.5 Develop & Publish TIA-158 Over the Air Service Provisioning for MEID-Equipped Mobile Stations in Spread Spectrum Systems (3GPP2 C.S0066-0 v1.0)	Published	Publ. 09/2004	TIA/ 3GPP2
15	09/2005	TR-45.5 Develop & Publish TIA-2000.5-D-1[E] Upper layer (Layer 3) signaling standard for cdma2000 Spread Spectrum Systems (3GPP2 C.S0005-D v2.0)	Published	Publ. 09/2005	TIA/ 3GPP2
16	07/2008	TR-45.5 TIA-158-1[E] Over-the-Air Service Provisioning for MEID-Equipped Mobile Stations in Spread Spectrum Systems (3GPP2 C.S0066-0 v2.0)	Addenda work to include MEID & EUIMID. v2.0 published.	Publ. 07/2008	TIA/ 3GPP2
17	10/2008	TR-45.5 TIA-683-D-1 [E] Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Standards-Release C (3GPP2 C.S0016-C v2.0)	Addenda work includes MEID & EUIMID. V2.0 3GPP2 spec published 10/31/08. TIA published 07/2009.	Closed 10/31/08 Publ.07/09'	TIA/ 3GPP2
18	7/31/2005	TR-45.5 TIA-1082 Mobile Station Equipment Identifier (MEID) Support for cdma2000 Spread Spectrum Systems (3GPP2 C.S0072-0 v1.0)	Implementing MEID & PLCM features in a pre-Rev D MS & base station. progress	Publ. 08/2005	TIA/ 3GPP2
19	09/30/2005	TR-45.5 TIA-1084-A Dev. & Publish "Signaling Test Specification for MEID Support of CDMA 2000® Spread Spectrum Systems"(3GPP2 C.S0073-A)	Implementing MEID & PLCM features in a pre-Rev D MS & base station 10/2005. Rev A publ.04/08'. C.S0073-A v1.0	Publ. Rev A 04/2008	TIA/ 3GPP2

20	08/2009	TR-45.5 TIA-1084-B Signaling Test Specification for Mobile Station Equipment Identifier (MEID) Support for cdma2000 Systems (3GPP2 C.S0073-B v1.0)	Sept 2013, C.S0073-B V1 published	Publ. August 2009	TIA/3GPP2
21	03/2014	TR45.5 TIA-1084-B-1 [E], Signaling Test Specification for Mobile Station Equipment Identifier (MEID) Support for cdma2000 Spread Spectrum Systems (3GPP2 C.S0073-B v2.0)	In 3GPP2 publ July 2014. TIA Publ. Sept. 2014 re: Status Request EUIMID & ICCID clarifications	Publ Sept 2014	TIA/ 3GPP2
22	09/2009	TR-45.5 TIA-2000.4-E Signaling Link Access Control (LAC) Standard for cdma2000 Spread Spectrum Systems (3GPP2 C.S0004-E v1.0)		Publ. 09/2009	TIA/ 3GPP2
23	09/2009	TR-45.5 TIA-2000.5-E Upper layer (Layer 3) Signaling Standard for cdma2000 Spread Spectrum Systems (3GPP2 C.S0005-E v1.0)		Publ. 09/2009	TIA/ 3GPP2
24	01/2014	TR45.5 TIA-915-B, CDMA Card Application Toolkit (CCAT)	TIA Published 01/15/14	Publ. 01/2014	TIA/ 3GPP2
25	03/2014	TR45.5 TIA-4969-A, Mobile Equipment (ME) Conformance Testing with CDMA Card Application Toolkit (3GPP2 C.S0106-A v1.0)	TIA Published 4/9/14	Publ. 04/2014	TIA/ 3GPP2
26	9/9/2008	TR45.5 TIA-820-C-1 [E] Removable User Identity Module for Spread Spectrum Systems (C.S0023-C v2.0)	Published initial ver 10/31/08. Version C-1[E] published 11/29/11	Publ. 11/2011	TIA/ 3GPP2
27	03/2014	TR-45.5 TIA-PN-1013-B-D1 Mobile Equipment (ME) Conformance Testing with R-UIM for cdma2000 Spread Spectrum Standards (3GPP2 C.S0048-B v1.0)		Publ. 02/2014	TIA/ 3GPP2
28	12/2008	TR45.5 TIA-1080-1 C-SIM (3GPP2 C.S0065-0 v2.0)	Approved by 3GPP2 and TIA for replacement publication 12/05/2008.	Closed 12/2008	TIA/ 3GPP2
29	03/2014	TR45.5 TIA-1207-A-D3, Mobile Equipment (ME) Conformance Testing with CSIM for cdma2000 Spread Spectrum Standards (3GPP2 C.S0101-A v1.0)	TIA-PN-1207-A-D3 3GPP2 and TIA publ May 2014	Publ May 2014	TIA/ 3GPP2
30	3/31/2004	TIA TR-45.8 (prev TR-45.6) TIA-835-B-1 Develop & Publish MEID (Packet) Standard (3GPP2 X.S0020)	MEID included in TIA-835-B-1. Published.	Publ. 01/2005	TIA/ 3GPP2
31	6/30/2006	TR-45.8 (prev TR-45.6) TIA-835-C-1 Develop & Publish MEID (Packet) Standard (3GPP2 X.S0011-C v2.0)	MEID is included in TIA-835-C-1. Any versions of X.S0011/TIA-835 that includes	Closed 07/2005	TIA/ 3GPP2

		(P.S0001). w/ addendum TIA-835-C-2 [E]	& follows P.S0001-B v2.0 supports MEID, it does not include revision 0 and revision A. 3GPP2 published 07/05', & Publ. TIA-835-C-2 [E] 05/08'.	Publ. 05/2008	
32	4/27/2006	TR-45.8 Develop & publish PN-3-0207 TIA-1074 OTA support for MEID (3GPP2 X.S0033-0 v1.0 -addendum to IS-725 A and N.S0011)	TIA-1074 published March 2006. The Addendum TIA-1074-1[E] / X.P0033-0 v2.0 to correct an error code conflict found, publ. 3/6/06'.	Publ. 03/2006	3GPP2/ TIA
33	3/23/05	TR-45.8 TIA-41-E-1 / X.P0004-E Parts (Includes integration of MEID TIA-928 / X.S0008)	ANS-41 [MAP] requirements are found in TIA-928. ANSI Reaffirmed .	Closed 3/23/05 Publ.01/06'	TIA/3GPP2
34	5/26/2006	TR-45.8 PN-3-4747-AD1[E] TIA-881-1[E] MAP Location Services Enhancements (3GPP2 X.S0002-0 v2.0)	3GPP2 published 06/06' & TIA Publ. is in progress for the MEID support addendum. TIA publ. Jan. 08'	Closed 5/25/06 Publ.01/08'	TIA/3GPP2
35	6/15/2006 and 11/15/2006	TR-45.8 Develop & Publish PN-3-3890-RV2 (J-STD-036-B) (E911 Phase 2) modifications to incorporate field experience	TIA J-STD 036-B published June 05', also Erratum w/MEID publ. June 06'. The ANS version also incorporates MEID & 12/7/06'	Closed 06/2006 Publ. 05/2007	TIA
36	2/1/2005	TR-45.8 PN-4853 RV5 TIA-124-E Wireless Radio Telecommunications Intersystem Non-Signaling Data Communication DMH (Data Message Handler)(3GPP2 X.S0014)	TIA-124-E published 2005. ANS/TIA 124-E published December 2006. Reaffirmed Feb.2011.	Publ. 05/2005 Reaffirmed 02/2011	TIA/ 3GPP2
37	6/30/2004	TR-45.8 (prev TR-45.2) Develop & Publish PN-3-0083 TIA-928 / X.S0008 v1.0 MEID (Intersystem Operations) standard. Support for the MEID.	Contains ANS 41 MAP operations support of MEID parameter. Published.	Publ. Initial ver 8/1/2004	TIA/ 3GPP2
38	2/22/2012	TR-45.8 TIA-928-4 [E] TIA-41[MAP]. Support for the MEID. TIA-PN-928-A introduction of MEID_ME and SF_EUIMID terminology supporting EIR. (3GPP2 X.S0008-0 v4.0)	TIA-928-1 Annex re-ballot was published June 2005. X.S0008 v2.0 aligned with TIA 928-2 [E] Publ 1/06'. X.S0008 v3 Annex footnote clarification,3GPP2 publ. Jan. 09',TIA publ. 8/4/11'. X.S0008 v4 Annex B with CD (Check Digit) clarification, 3GPP2 publ 2/12'. TIA-PN-928-A (X.S0008-A v1.0), publ. July 3,2013	TIA928-A Publ. 07/2013	TIA/ 3GPP2

39	01/2014	TR45.8 PN-928-A-1 (TIA-928-A-1) MAP Support for the Mobile Equipment Identity (MEID). (3GPP2 X.S0008-A v2.0)	TIA Published 4/9/14	Publ. 04/2014	TIA/3GPP2
40	n/a	ESN Administrator to query ESN manufacturers for their projected ESN requirements (in a proprietary context)	Work in progress by ESN Administrator-Ongoing	Closed 10/2010	TIA
41	11/2003	Manufacturer ESN reclamation letters sent	Sent	Sent 11/2003	TIA
42	12/2003	Initial MEID industry MEID outreach letters sent	1 st mailing 12/18/03 w/f/u 1/7/04, CTIA distributed update sent 3/9/04	Sent 1/7/2004	TIA
43	1Q2004/ 2Q2004	Initial industry seminar w/MEID presentation	Overview & technical presentation suite .ppt & .pdf developed / Clearinghouse, mediation vendor sessions presented.	Closed 5/17/04	Co-op
44	6/1/2005	Collisions whitepaper re: pESN	Posted on TIA website	Publ. 5/26/05	TIA
45	n/a	Investigate back office issues for migration to MEID	Work ongoing when needed, including clearinghouse/mediation vendor coordination.	Closed 3/27/13	Co-op/ MDG(CDG)
46	11/2004	GHA assignment of MEID Test S/N ranges	Letter to MS manufacturers re: test MEID process sent 10/12/04 by ESN and UIMID Administrators. First MEID test range assigned 11/3/04'.	Closed 11/2004	TIA GHA
47	n/a	Develop MEID intersystem operations test plan	Leverage results of CDG IOT test plans document.	Closed 12/2008	Co-op/ MDG(CDG)
48	n/a	Test MEID intersystem operations	Leverage results of CDG IOT test plans.	Closed 12/2013	Co-op/ MDG(CDG)
49	3Q2004/ 4Q2004	Follow up industry seminar w/MEID presentation	Industry presentation 2/05'. Clearinghouse, mediation vendor conf-calls ongoing.	Closed 11/2004	Co-op
50	n/a	Manufacturer ESN reclamation	ESN administrator tracking and investigating responses. Work resumes only if required in future.	Closed 12/2013	TIA
51	3Q2006	First MEID Industry Implementation	Verify readiness prior to implementation. Note: 09/06'; provisioned mobiles are deployed with an MEID. Continued implementations are ongoing.	Closed 09/2006	Co-op

52	2Q2004	Follow up industry seminar w/MEID presentation	Consult w/fora and w/MDG (CDG) & 3GPP2 SC. Ongoing on an as needed basis, also see; http://www.mobilitydg.org/ or http://www.cdg.org/MEID	Ongoing	Co-op/ 3GPP2 SC/ MDG(CDG)
53	n/a	Coordinate GDA & GHA Administrator process	Joint GHA/GDA Administrators conf. calls approx. every other month & moderated by EUMAG chair.	Ongoing	GHA/GDA Co-op
54	9/1/2005	MEID allocations by GHA. Single mode Hexadecimal & Multimode Decimal assignments Administered by TIA.	First MEID range allocated 1/9/06'. MEID assignments ongoing.	Ongoing	Co-op/ MDG(CDG)
55	By end of 1Q 2008*	Anticipated ESN exhaust of presently available Manufacturer Codes (i.e., “virgin” those code blocks that have never been assigned to a manufacturer)! Note: “virgin” ESN blocks exhausted November 2008. Assignments in December 2008 were starting to be made from the exceptional MFR Code ranges 167 & 221 (see ESN Guidelines, Ver. 2.0, Section 5.13), following set manufacturer completion of the disclaimer acceptance form prepared by TIA legal.	Previously worst case scenario used for planning. * This date is now found in the ESN Administrator report anticipated exhaust timeframe section for implementation guidance (taking into account various factors such as ESN reported run rate, ESN recovery and informal confidential information). Note: June 30, 2010 is the last date for receipt of an ESN MFR Code block request.	Ongoing	TIA
56	n/a	Anticipated UIM_ID exhaust of presently available Manufacturer Codes. Also dependent on ESN resource and related to ESN exhaust.	Expedited UIM_ID migration to E-UIM_ID is encouraged to relieve UIM_ID derivation demand from ESN resources.	Ongoing	Co-op
57	TBD	Cease ESN assignment by ESN Administrator and UIM_ID assignment by UIM_ID Administrator. TIA continues historical ESN administration.	Following the 6/30/10 date, see item #55 Note above. Also dependent on actual ESN exhaust.	Ongoing	TIA