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

<u>ESN Migration to MEID - Milestones & Timeline</u>

Line item	Target Date	Milestone / Action	Notes	Status	Fora
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	1/2004	SC.R4002-0 (formerly S.R 0089-0) GHA Assignment Guidelines and Procedures for MEID and SF_EUIMID publication.	SC.R4002-0 MEID GHA revised v6.0 and the TIA transcribed version v6.0 is also published. Version 6.1 updates are in progress 03/11'. EUMAG chair is editor.	Publ. Initial ver 01/04 Ver 6.0 06/10'	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 revisedv2.0 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	12/2003	TIA TR-45 AHAG (Authentication) MEID status	No intentions to use MEID for authentication.	Closed 12/2003	TIA
5	6/15/2006	TIA 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 reaffirmation in progress 6/1/11'.	Publ. 09/2006	TIA
6	6/30/2004	TIA 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. 8/1/2004	TIA/ 3GPP2
7	12/1/2008	TIA TR-45.8 Develop & Publish TIA-928-2 [E] / X.S0008-0 v2.0 TIA-41[MAP]. PN-3-0083-AD3 [E] TIA-928-3 [E] / X.S0008-0 v3.0 TIA-41[MAP]. Support	TIA-928-1 Annex re-ballot was published June 2005. X.S0008-0v2.0 aligned with TIA 928-2 [E] Publ 1/06'. X.S0008 v3 Annex footnote	Ver 2 Publ. 01/2006.	TIA/ 3GPP2

		for the MEID	clarification,3GPP2 publ. Jan. 09',TIA publ. 8/4/11'. *-R4.0 Annex further CD clarification revision in progress.*	Ver 3 Publ. 01/2009	
8	4/27/2006	TR-45.8 Develop & publish PN-3-0207 TIA-1074 / X.S0033-0 v1.0 OTA support for MEID (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
9	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. **Reaffirmation in Progress.**	Closed 3/23/05 Publ.01/06'	TIA/3GPP2
10	5/26/2006	TR-45.8 PN-3-4747-AD1[E] TIA-881-1[E] / X.S0002-0 v2.0, MAP Location Services Enhancements	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
11	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
12	2/1/2005	TR-45.8 Develop & Publ PN-4853 RV5 *TIA-124-E /* X.S0014 Wireless Radio Telecommunications Intersystem Non-Signaling Data Communication DMH (Data Message Handler)	TIA-124-E published 2005. ANS/TIA 124-E published December 2006. Reaffirmed Feb.2011.	Publ 05/2005 Reaffirmed 02/2011	TIA/ 3GPP2
13	11/2003	TIA TR-45.3 Develop & Publish TIA-943 MEID (TDMA) Std	Published	Publ. 11/2003	TIA
14	1/2004	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
15	3Q2004	TIA TR-45.4 Develop & Publish MEID (IOS 5.0)/A.S0011 Standard		Publ 02/2005	TIA/ 3GPP2
16	12/2005	TR-45.4 Update IOS v5.0.1 for "MEID for CDMA2000®" (A.S0011 to 17-C v2.0 /TIA 2001-D-1)	Implementing MEID & PLCM features in a pre-Rev D MS & base station.	Publ. 01/2006	TIA/ 3GPP2
17	1Q2004	TIA TR-45.5 Develop & Publish TIA-2000-D / C.S0005-D MEID (Air Interface) Standard	Published	Publ. 03/2004	TIA/ 3GPP2
18	09/2004	TR-45.5 Develop & Publish TIA-158 / C.S0066-0 v1.0 Over the Air Service Provisioning for MEID-Equipped Mobile Stations in Spread Spectrum Systems.	Published	Publ. 09/2004	TIA/ 3GPP2

19	09/2005	TR-45.5 Develop & Publish TIA-2000.5-D-1[E]/ C.S0005-D v2.0 Upper layer (Layer 3) signaling standard for cdma2000 Spread Spectrum Systems	Published	Publ. 09/2005	TIA/ 3GPP2
20	07/2008	TR-45.5 TIA-158-1[E]/ C.S0066-0 v2.0 Over-the-Air Service Provisioning for MEID-Equipped Mobile Stations in Spread Spectrum Systems	Addenda work to include MEID & EUIMID. v2.0 published.	Publ. 07/2008	TIA/ 3GPP2
21	10/2008	TR-45.5 TIA-683-D-1 [E]/ C.S0016-C v2.0 Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Standards-Release C	Addenda work includes MEID & EUIMID. V2.0 3GPP2 spec published 10/31/08. *TIA publ work in progress.*	Closed 10/31/08	TIA/ 3GPP2
22	7/31/2005	TR-45.5 TIA-1082 / C.S0072-0 v1.0 Mobile Station Equipment Identifier (MEID) Support for cdma2000 Spread Spectrum Systems	Implementing MEID & PLCM features in a pre-Rev D MS & base station. progress	Publ. 08/2005	TIA/ 3GPP2
23	9/30/2005	TR-45.5 Dev. & Publish "Signaling Test Specification for MEID Support of CDMA 2000® Spread Spectrum Systems"(TIA-1084-A / 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 v2.0 – work in progress 07/09'	Publ. Rev A 04/2008	TIA/ 3GPP2
24		TR-45.5 TIA-1084-B / C.S0073-B v1.0 Signaling Test Specification for Mobile Station Equipment Identifier (MEID) Support for cdma2000 Systems		Publ. August 2009	TIA/3GPP2
25		TR-45.5 / TSG-C TIA-2000.4-E / C.S0004-E v1.0 Signaling Link Access Control (LAC) Standard for cdma2000 Spread Spectrum Systems		Publ. 09/2009	TIA/ 3GPP2
26		TR-45.5 / TSG-C TIA-2000.5-E / C.S0005-E v1.0 Upper layer (Layer 3) Signaling Standard for cdma2000 Spread Spectrum Systems		Publ. 09/2009	TIA/ 3GPP2
27	3/31/2004	TIA TR-45.8 (prev TR-45.6) Develop & Publish MEID (Packet) Standard (TIA-835-B-1 / X.S0020	MEID included in TIA-835-B-1. Published.	Publ. 01/2005	TIA/ 3GPP2
28	6/30/2006	TR-45.8 (prev TR-45.6) Develop & Publish MEID (Packet) Standard (TIA-835-C-1 / X.S0011-C v2.0 (P.S0001). w/ addendum TIA-835-C-2 [E]	MEID is included in TIA-835-C-1. Any versions of X.S0011/TIA-835 that includes & 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'.	Closed 07/2005 Publ. 05/2008	TIA/ 3GPP2

29	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
30	11/2003	Manufacturer ESN reclamation letters sent	Sent	Sent 11/2003	TIA
31	12/2003	Initial MEID industry MEID outreach letters sent	1st mailing 12/18/03 w/f/u 1/7/04, CTIA distributed update sent 3/9/04	Sent 1/7/2004	TIA
32	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
33	6/1/2005	Collisions whitepaper re: pESN	Posted on TIA website	Publ. 5/26/05	TIA
34	2Q2004	Follow up industry seminar w/MEID presentation	Consult w/fora and 6/29 w/CDG SC. Ongoing on an as needed basis, also see; http://www.cdg.org/MEID	Closed 6/29/04 Ongoing	Co-op/CDG
35	n/a	Coordinate GDA & GHA Administrator process	Joint GHA/GDA Administrators conf. calls. Recent ;9/9/11,Next;1/12/12'. GDA/GHA JEM-01 Initial; 9/29/09. Recent; 7/14/11 JEM-07 c-call, Next 7/25/12'	Ongoing	GHA/GDA Co-op
36	n/a	Investigate back office issues for migration to MEID	Work ongoing, including clearinghouse/mediation vendor coordination.	Ongoing	Co-op/CDG
37	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
38	n/a	Develop MEID intersystem operations test plan	Leverage results of CDG IOT test plans document.	Closed 12/2008	Co-op/CDG
39	9/1/2005	MEID allocations by GHA	First MEID range allocated 1/9/06'. MEID assignments ongoing.	Ongoing	Co-op/CDG
40	n/a	Test MEID intersystem operations	Leverage results of CDG IOT test plans	Ongoing	Co-op/CDG
41	3Q2004/ 4Q2004	Follow up industry seminar w/MEID presentation	Industry presentation 2/05'.Clearinghouse, mediation vendor conf-calls ongoing.	Closed 11/2004	Co-op

42	n/a	Manufacturer ESN reclamation	ESN administrator tracking and investigating responses – Work ongoing	Ongoing	TIA
43	3Q2006	First MEID Industry Implementation	Verify readiness prior to implementation. Note: 09/06', provisioned mobiles are now deployed with an MEID. Continued implementations are ongoing.	Closed 09/2006	Co-op
44	**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 and 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
45	n/a	E-UIM_ID (see UIM_ID Migration to E-UIM_ID - Milestones & Timeline).	Expedited UIM_ID migration to E-UIM_ID is encouraged to relieve UIM_ID derivation demand from ESN resources.	Ongoing	Co-op
46	TBD	Cease ESN assignment by ESN administration	Following the 6/30/10 date, see item #44 above. Also dependent on actual ESN exhaust.	Open	TIA