IS-41 Services

IFAST-17
Tampa, USA
September 12-13, 2001

TIA/EIA/ANSI-41 Evolution

TIME LINE

1988   1989   1990   1991   1992   1993   1994   1995   1996   1997   1998   1999 2000   2001 2002

Dec 91

Revision B

Dec 97

Revision D includes
WIN triggers

Feb 88

Initial release
of IS-41-0
(Revision 0)

Jan 91

Revision A added
a network reference model

Feb 96

Revision C introduces
SMS, Authentication and
many new features

Dec 99

Project number
of ANSI-41,
Revision E
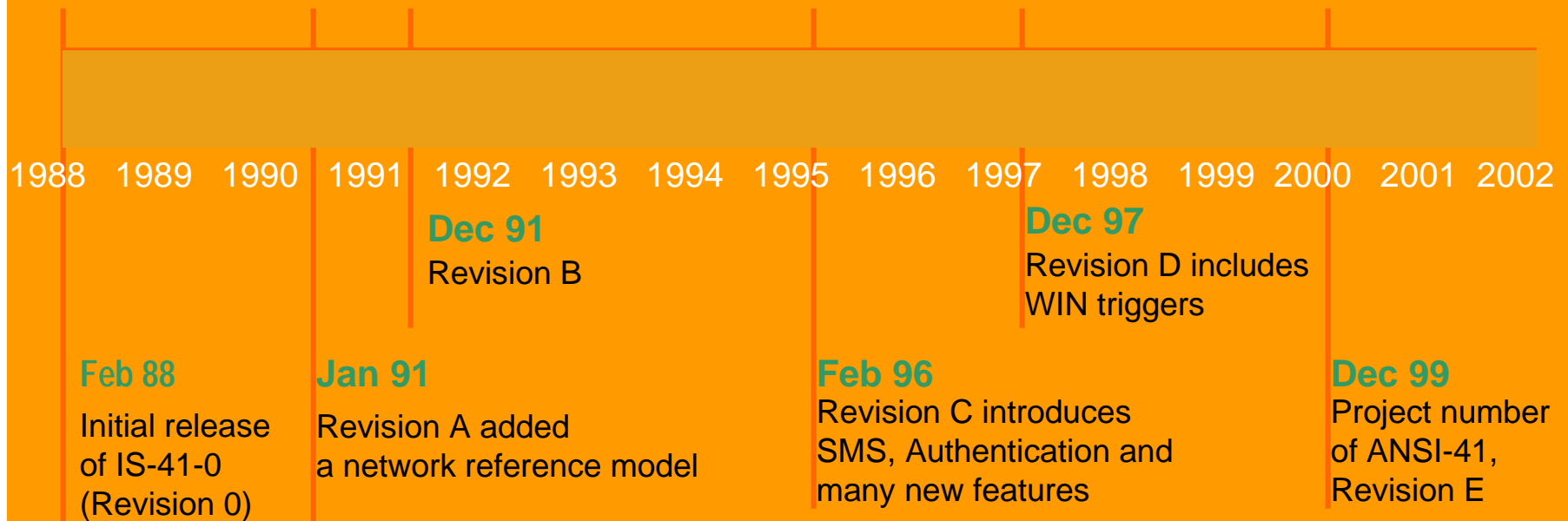
TIA/EIA/IS-41 Rev. 0

Published in February 1988

■ **Basic intersystem handoff include the core functions still used today.**

■ **Validation of a roamer subscriber; this functionality could only be performed when the roaming subscriber was visiting a neighboring system.**

■ **There were not HLRs, VLRs or other functional entities specified to manage more sophisticated functionality.**

TIA/EIA/IS-41 Rev. A

Published in January 1991

■ **First group of cellular features to enhanced subscriber service (e.g. Call Waiting, Call Forward, Three Way Calling).**

■ **Basic functions specified in IS-41-0 improved.**

■ **Includes a network reference model specifying standard interfaces between particular functional entities with defined responsibilities such as HLR, VLR, and AC, along with interfaces to the PSTN.**

■ **The model defines a true distributed intelligent network.**

TIA/EIA/IS-41 Rev. B

Published in December 1991

■ **Same features that Revision A**

■ **Changes to intersystem handoff and network routing mechanisms**

■ **Solve particular problems specific to IS-41-A**

■ **Related issues to the standard specified in the Telecommunication System Bulletins (TSB)**

TIA/EIA/IS-41 Rev. C

Published in February 1996

■ **Introduces many new features and functionality.**

■ **Origination and termination triggers to enhance call-handling decisions.**

■ **Seamless feature transfer between carriers and markets.**

■ **Enhanced services such as Authentication, Short Message Services, *Over the Air Activation(OTA) and new vertical features.***

TIA/EIA/IS-41 Rev. D

Published in December 1997

■ **Correction of some technical errors and the reformatting of the standard into ANSI format .**

■ **Released in successive phases, not all at once**

■ **Reflects a shared industry interest to support government mandates (e.g. portability, E911).**

■ **Meet the unique challenges of the evolving international market.**

■ **Definition for WIN Phase 1 (IS-771)b and WIN Phase 2 (IS-826).**

TIA/EIA/IS-41 Rev. E

Project Number, December 1999

■ **In addition to technical corrections and clarifications to the previous revision, ANSI-41.E will offer enhanced support of emergency services, International Mobile Subscriber Identifier (IMSI) support, wireless & wireline local number portability and the next phase of the Wireless Intelligent Network (WIN Phase 3).**