



3GPP2

Facilitating Evolution from 2G to 3G & Beyond

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Overview

- Who we are (Members)
- What we do (Purpose & Process)
- How we do it (Organizational Overview)
- How are we doing (Accomplishments)
- Who else (International Cooperation)
- Whats in store (The Future)

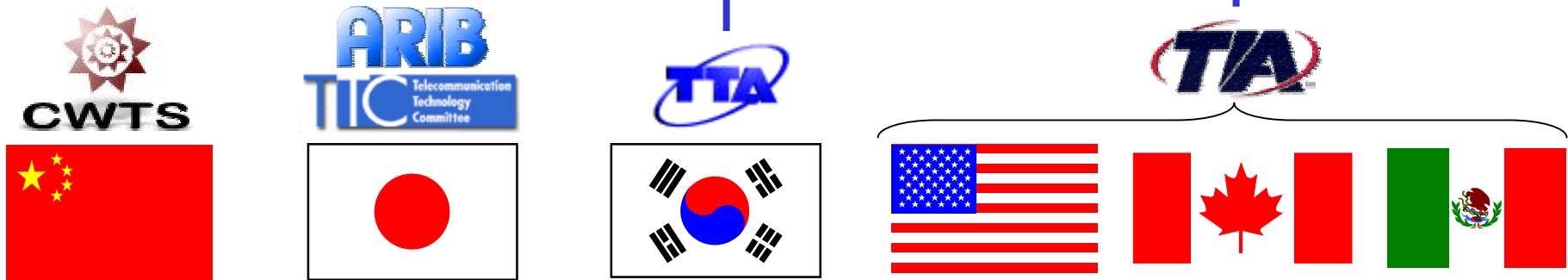


3RD GENERATION
PARTNERSHIP
PROJECT 2
"3GPP2"

Membership



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- ARIB Association of Radio Industries and Business (Japan)
- CWTS China Wireless Telecommunication Standard Group (China)
- TIA Telecommunications Industry Association (NAFTA countries: USA, Canada, Mexico)
- TTA Telecommunications Technology Association (Korea)
- TTC Telecommunication Technology Committee (Japan)



Membership, cont'd

Market Representation Partners

- CDMA Development Group
- MWIF
- WMF
- IPv6



Observers

- TSACC
- ACIF
- ETSI





Purpose of 3GPP2

- The purpose of 3GPP2 is to prepare, approve and maintain globally applicable Technical Specifications and Technical Reports for a 3rd Generation Mobile System based on the evolving ANSI-41 Core Network and the cdma2000 radio access technologies.
- These specifications include a 3G Network based on Internet Protocol which includes support for network and mobile station interoperability with the 3G Network evolved from ANSI-41
- 3GPP2 also takes into account the emerging ITU recommendations on interworking between IMT-2000 family members.
- Serving the CDMA Community via Smooth Evolution of cdma2000 from 2G to 3G while Expanding 2.5G Capabilities

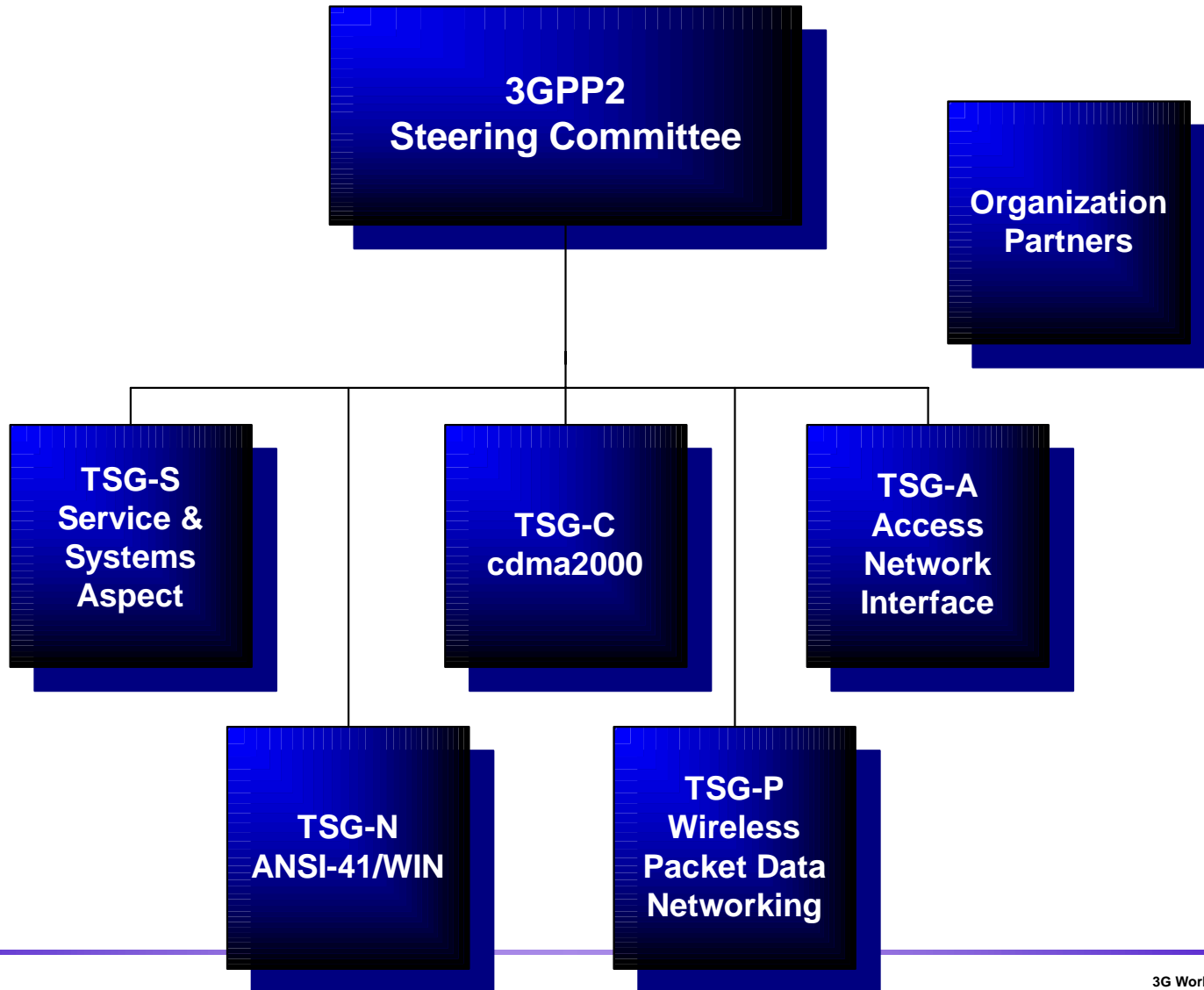


Process

- 3GPP2 publishes technical specifications as a cooperative effort of all partner members
 - TSGs develop technical specifications
 - TSGs' outputs reviewed and approved by Steering Committee per 3GPP2 procedures
 - Partners apply national standardization processes to standardize results of work
 - Ownership and copyright of these output documents is shared between the Organizational Partners.
 - Resulting in Globally developed standards for the consumption on a region by region basis
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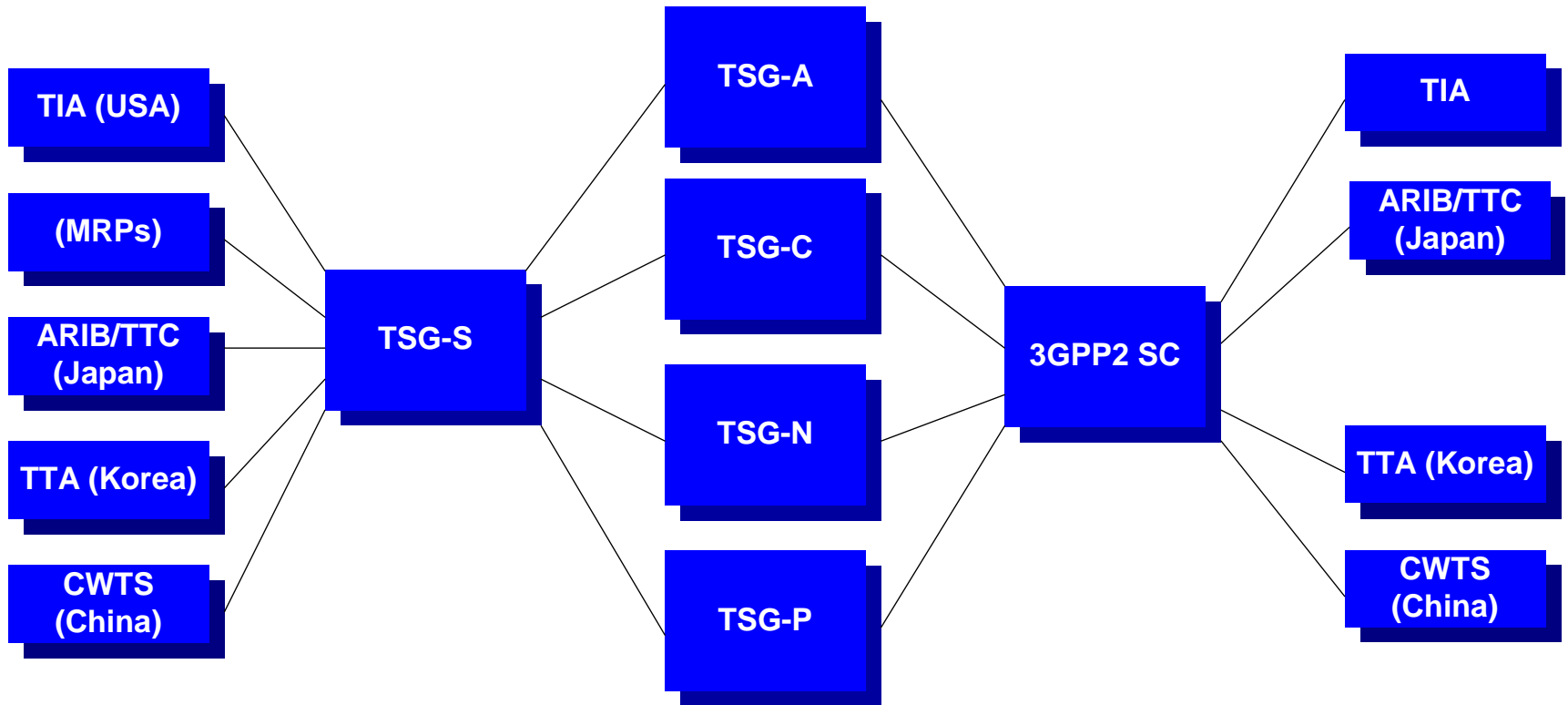


3GPP2 Organizational Structure






Specification Lifecycle






How are we doing?

Members		86
	61	
45		
Jan-99	Jan-01	Current



52 Email Reflectors



Electronic Contributions
Wireless &
Wired LANS

125 Posted Technical Specifications

- TSG-C 57
- TSG-S 33
- TSG-N 25
- TSG-A 6
- TSG-P 4

29 Approved in 2001

www.3gpp2.org

3GPP2 FTP Site

- TSG-C 497
- TSG-N 100
- TSG-S 77
- TSG-P 64
- TSG-A 63
- ALL-IP 48

Megabytes of Storage

ftp.3gpp2.org

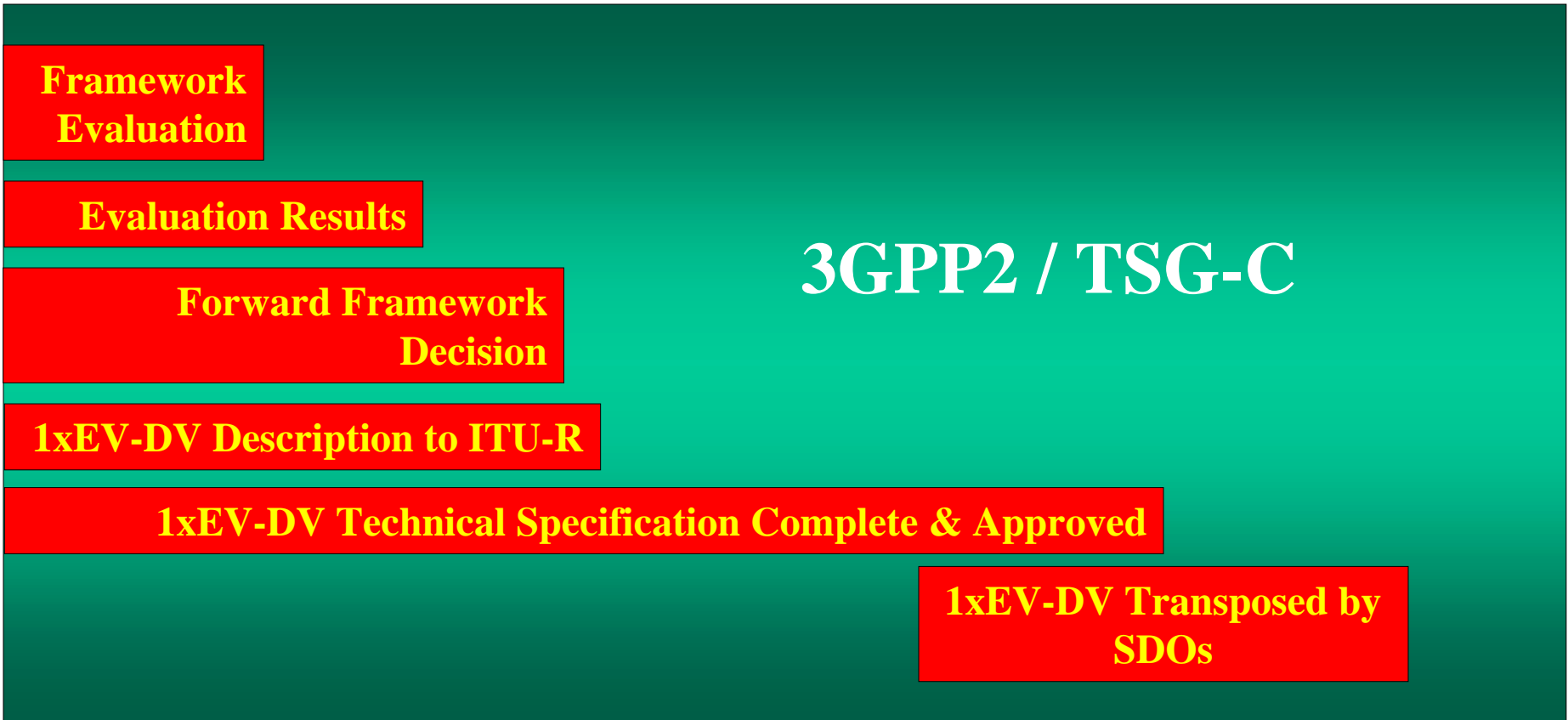


International Cooperation

- ITU-T SSG
- ITU-R WP8F
- IETF
- UIM and International UIM-ID assignments



1xEV-DV Schedule



RSPC 0.2		ITU-R			RSPC 0.3			RSPC Adopted		RSPC Approved	
June 2001	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr 2002	



The Future of ALL-IP

- Convergence toward an IP-based core network that is independent of the access network.
- Use of multiple access networks: CDMA2000, WCDMA, 802.11b, Ethernet, ...
- A single core network.
- Integrated access technologies in terminals that allow the user to move from a cellular environment, to a campus wireless environment, to a wired environment - seamlessly.



IP Evolution Requirements

- Cost effective
- Phased migration plan with interim solutions
- Seamless support of existing services
 - User services and feature transparency
 - Smooth integration with web based services
- Target being an all IP Wireless Network



IP– High Level Objectives

- Unified (voice/data) wireless IP network interoperable with ANSI-41 and MAP services
- Gateways to legacy networks (e.g. ANSI-41 and/or MAP)
- Reuse of radio network
- Enable new services built on top of IP
- IP based infrastructure
- Air interface independent
- Global solution
- Maximize synergy and compatibility with existing standards efforts (e.g. 3GPP, Tiphon, IETF, etc.)
- Support high capacity

Conclusions

- There is substantial industry interests in the continued development of CDMA2000
- Through development of an IP Wireless Network, applications and services yet to be identified will be achievable via a well thought out, flexible network architecture
- 3GPP2 encourages multiple fora and consortia inputs into the development of such future wireless networks
- By seeking active participation and by focusing resources and efforts into the major 3G partnerships, future common global wireless Networks are achievable



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Additional Info

3GPP2 Web Site at:

www.3gpp2.org

Membership Information Also Available