

Response to ISO/IEC JTC1/SC6

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Abstract

This document contains the response to JTC1/SC6's forwarding of the Chinese NB contribution (National Standard of China, GB15629.11) found in 6N12687 to the IEEE 802 (and specifically IEEE 802.11) for information.

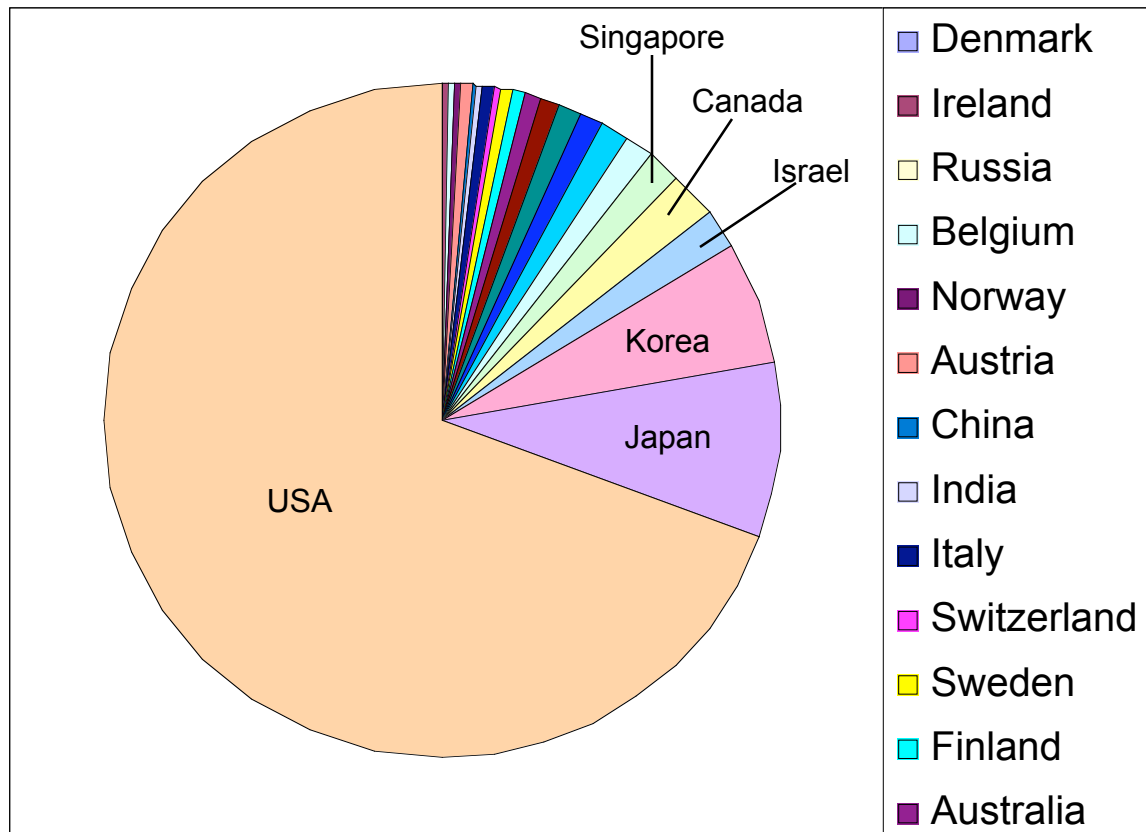
Background

- **In the November 2004 Orlando JTC1/SC6 meeting, JTC1/SC6 forwarded the Chinese NB contribution (National Standard of China, GB15629.11) found in 6N12687 to the IEEE 802 (and specifically IEEE 802.11) for information.**
- **Preliminary response from IEEE 802.11 was presented in Orlando**
 - By Bruce Kramer, Jesse Walker and Al Petrick
- **Response letter from IEEE 802 and IEEE 802.11 sent to JTC1/SC6 Convener and to China Head of Delegation (05/0043r0)**
- **Continuing joint discussion at 21-25 February Frankfurt meeting**
 - Propose to discuss alternatives for incorporate Technical Components of N12687 into IEEE Std 802.11, with subsequent
 - Submission by IEEE Project 802 LMSC to JTC1/SC6 for inclusion into the ISO/IEC 8802 document series.

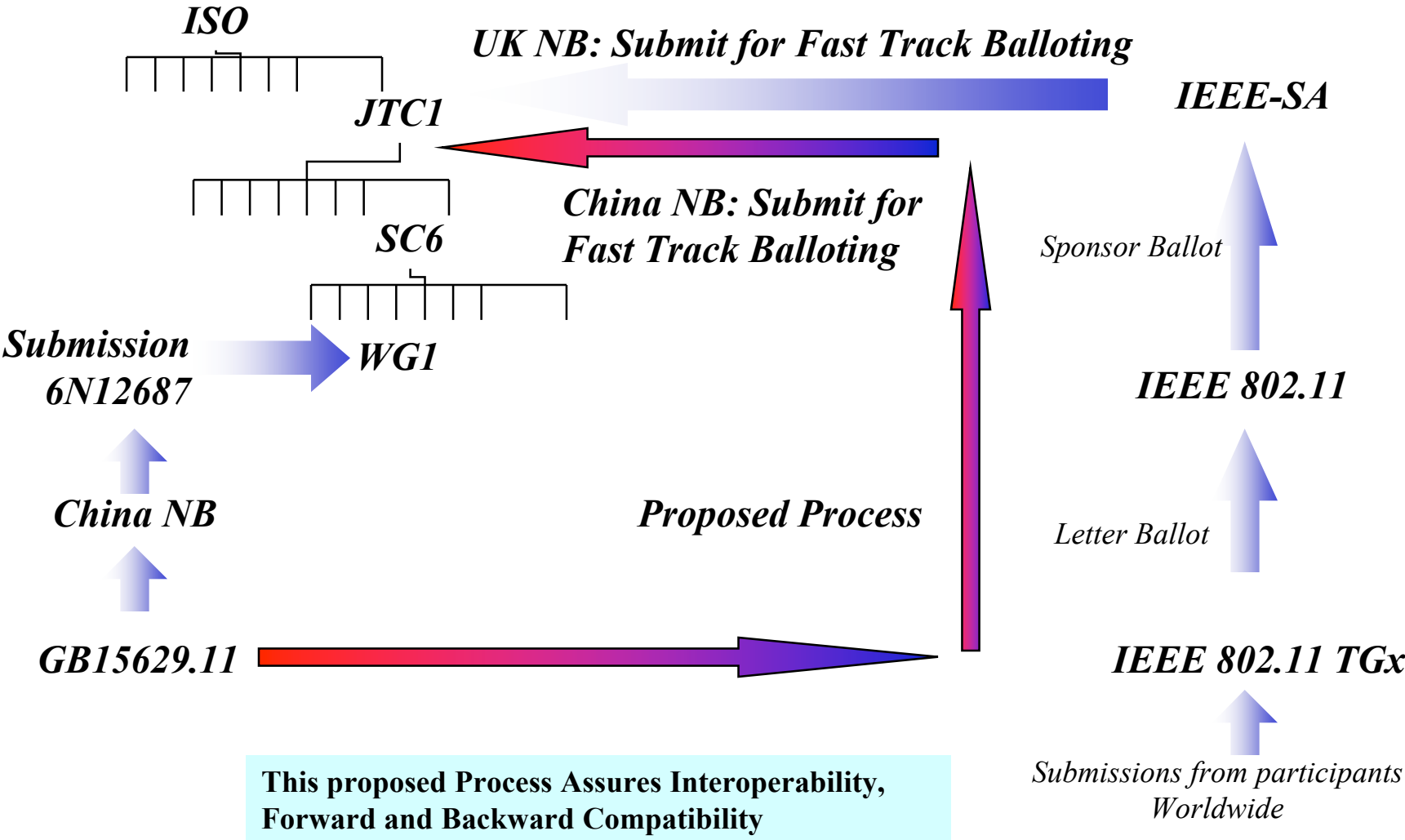
Nov 04 Preliminary Response

- **IEEE fully supports China's desire to improve WLAN security beyond what was originally provided by Wired Equivalent Privacy (WEP) in 1999**
 - IEEE 802 members recently invested >3 years in the development of 802.11i extensions to dramatically improve security (N7537)
 - WEP was not removed, 802.11i features were added
 - Security development is not complete and continues to evolve
- **6N12687/1N7506 and 1N7537 are not mutually exclusive. Both can reside within 802-11 as security mechanisms and be invoked when and where needed.**
 - Discussion needed on alternative mechanisms and processes

IEEE 802.11 Attendance, January 2005



Standards



Proposed Process

- **Integrate GB15629.11 into 8802 via IEEE 802.11 Working Group**
 - IEEE 802.11 Working Group authorizes a new Task Group to create a new amendment incorporating China's submission into IEEE Std 802.11
 - IEEE 802.11 Working Group will seek to include one or more Chinese citizens among task group's leadership
 - Ad Hoc Meetings of the new IEEE 802.11 Task Group to be held in China
 - Experts from China and 802.11 WG both participate in the integration
 - China's experts needed to assure process does not omit features required by China
 - IEEE 802.11's experts needed to assure sufficient changes to guarantee forward and backward compatibility with existing standard and with other planned amendments
 - Amendment undergoes full IEEE 802 ballot cycle, to assure forward and backward compatibility
 - Including co-existence with 802.11i and WEP
- **Ratify amendment in JTC1 submitted by China NB**
 - On completion of integration, China's NB forwards new amendment to JTC1 for Fast Track balloting.

Possible Next steps

- **IEEE 802 seeks face-to-face discussions with China JTC1/SC6 delegates and technical experts in China, to set procedures for moving forward**
- **IEEE 802.11 invites the China JTC1/SC6 delegates to the May 2005 IEEE 802.11 interim meeting, in Cairns, Australia for continued discussions**
 - Continue discussion on options
 - Discuss questions on the processed and procedures used in IEEE 802.11
 - Provide an Overview of the active IEEE 802.11 Task Groups, including TGr, Advanced Security SG