

# Advanced Wireless Communications Study Committee (ADWICS)

## BWA Subcommittee

### Scope of Work

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The Broadband Wireless Access (BWA) Subcommittee has been established so as to study technologies on broadband wireless access (BWA) systems and standardize their technical specifications as ARIB Standards.

Currently target systems are broadband wireless access systems in the 2.5 GHz band of which technical conditions have been studied by Telecommunications Council.

### Formation

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BWA Subcommittee consists of four working groups. They mainly assume a role in producing national standards for Mobile WiMAX, IEEE802.20 and Next Generation PHS referring to relevant international standards.

- International Relations WG
  - Establish coordination framework with relevant international standardization bodies.
- WiMAX WG
  - Develop and maintain ARIB standard for Mobile WiMAX system and to liaise with relevant international standard bodies.
- 802.20 WG
  - Develop and maintain ARIB standard for IEEE802.20 TDD Wideband and 625k-MC Modes and to liaise with relevant international standardization body.
- XGP WG
  - Develop and maintain ARIB standard for XGP(eXtended Global Platform) system and to liaise with relevant international standardization body.

### Activities

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- **WiMAX WG**
  - ✓ ARIB standard “OFDMA Broadband Mobile Wireless Access System (WiMAX™ applied in Japan) / ARIB STD-T94 Ver. 1.0” was approved in December 2007. The standard consists of Japan’s Radio Regulations (RR), WiMAX Forum Mobile System Profile 1.0 and End-to-End Network Systems Architecture 1.1.0 (IEEE 802.16-2004 amended by IEEE 802.16e-2005).

✓ System Profile Release 1.5 and End-to-End Network Systems Architecture 1.5 will soon be transposed into ARIB STD-T94 in April 2010.

- **802.20 WG**

✓ ARIB standard “Mobile Broadband Wireless Access System (IEEE 802.20 TDD Wideband and 625k-MC Modes Application in Japan) / ARIB STD-T97 Ver. 1.0” was approved in September 2008. The standard consists of Japan’s Radio Regulations and reference to IEEE 802.20 specifications standardized by IEEE 802.20.

- **XGP WG**

✓ ARIB standard “OFDMA/TDMA TDD Broadband Wireless Access System (Next Generation PHS) / ARIB STD-T95 Ver. 1.0” was approved in December 2007. The standard consists of Japan’s Radio Regulations and XGP Specifications standardized by XGP Forum.

## Links

- ARIB STD-T94: [OFDMA Broadband Mobile Wireless Access System \(WiMAX™ applied in Japan\)](#)
- ARIB STD-T95: [OFDMA/TDMA TDD Broadband Wireless Access System \(Next Generation PHS\)](#)
- ARIB STD-T97: [Mobile Broadband Wireless Access Systems \(IEEE 802.20™ TDD Wideband and 625k-MC Modes Application in Japan\)](#)

## Organizational Structure

