

簡易無線局 950MHz 帯移動体識別用無線設備標準規格の概要

1 概要

本件は、トラックの荷物の積み下ろし等の場面において通信距離が長く持ち運びが可能な 950MHz 帯パッシブタグの実現に向けた制度整備（無線設備規則等の改正、平成 22 年 5 月）に対応するため、同システムに係る標準規格を策定するものである。

本標準規格（案）ARIB STD-T100 が対象とする無線設備は、電波法施行規則第 13 条（関係告示・昭和 61 年第 378 号）に規定される簡易無線局の用途等のうち移動体識別用であって、無線設備規則第 54 条第 5 号に規定された 952MHz を超え 956.4MHz 以下の周波数の電波を使用するものであり、電波の有効利用に資する共用化技術（送信時間制御、キャリアセンス等）を使用する中出力型の UHF 帯パッシブ電子タグシステムである。

なお、本標準規格（案）においては、質問器、空中線及び応答器からなる無線設備の技術的条件について規定しているが質問器と応答器との間の通信プロトコル（相互接続性に関する規格）については規定していない。

また、プライバシー保護や医療機器への影響の防止について、「電波の医療機器等への影響に関する調査研究報告書」（総務省）及び「電子タグに関するプライバシー保護ガイドライン」（総務省及び経済産業省）に沿った適切な対応が望ましいとした「簡易無線局 950MHz 帯移動体識別装置の運用の手引き」を作成し、参考資料として添付した。

2 標準規格（案）の審議体制

本標準規格（案）は、950MHz 帯電子タグシステムである

- ・「構内無線局 950MHz 帯移動体識別用無線設備 標準規格 ARIB STD-T89」
- ・「特定小電力無線局 950MHz 帯移動体識別用無線設備 標準規格 ARIB STD-T90」
- ・「特定小電力無線局 950MHz 帯テレメータ用、テレコントロール用及びデータ伝送用無線設備 標準規格 ARIB STD-T96」

と同一の周波数帯を用いるため、これらの標準規格原案を作成した「ユビキタスネットワークワーキングフォーラム」の中に設置されている「UHF 帯電子タグシステム標準化WG」（主任：パナソニック（株） 佐々木邦夫、事務局：（社）電波産業会）において、原案を作成した。

3 標準規格（案）の維持改定方法

本標準規格（案）の維持改定は、上記「UHF 帯電子タグシステム標準化WG」において行う。

構内無線局 950MHz 帯移動体識別用無線設備標準規格の改定の概要 (3.0 版から 3.1 版への改定)

1 概要

本件は、総務省における制度整備（無線設備規則等の改正、平成 22 年 5 月）に対応するため、標記システムに係る標準規格（ARIB STD-T89）を改定するものである。

なお、本標準規格は、電波法施行規則第 14 条（関係告示・昭和 61 年第 378 号、改正平成 17 年第 431 号）に規定される構内無線局の用途等のうち移動体識別用であって、無線設備規則第 49 条の 9 第 1 号に規定された 952MHz を超え 956.4MHz 以下の周波数の電波を使用する無線設備（高出力型の UHF 帯パッシブ電子タグシステム）について規定したものである。

2 改定内容

主な改定事項は以下のとおりである。

- (1) 平成 22 年 5 月の無線設備規則の改正（指定周波数帯の拡大、最大 21 チャンネルまでの同時使用を追加等）に対応した所要の改定を行うこと。
- (2) 同一周波数帯において運用される「特定小電力無線局 950MHz 帯移動体識別用無線設備(ARIB STD-T90)」、「特定小電力無線局 950MHz 帯テレメータ用、テレコントロール用及びデータ伝送用無線設備(ARIB STD-T96)」、平成 22 年 5 月の無線設備規則の改正にともない新たに運用を開始する「簡易無線局 950MHz 帯移動体識別用無線設備(ARIB STD-T100)」との相互干渉を回避するために、それぞれのシステム運用に推奨されるチャンネルプランを明示すること。

3 標準規格の維持改定方法

本標準規格の維持改定は、「ユビキタスネットワーキングフォーラム」の中に設置されている「UHF 帯電子タグシステム標準化WG」（主任：パナソニック（株） 佐々木邦夫、事務局：（社）電波産業会）において行う。

特定小電力無線局 950MHz 帯移動体識別用無線設備標準規格の改定の概要 (2.0 版から 2.1 版への改定)

1 概要

本件は、総務省における制度整備（無線設備規則等の改正、平成 22 年 5 月）に対応するため、標記システムに係る標準規格（ARIB STD-T90）を改定するものである。

なお、本標準規格は、電波法施行規則第 6 条（関係告示・平成元年第 42 号、改正平成 20 年第 320 号）に規定される特定小電力無線局の用途等のうち移動体識別用であって、無線設備規則第 49 条の 14 第 6 号に規定された 952MHz を超え 957.6MHz 以下の周波数の電波を使用する無線設備（低出力型の UHF 帯パッシブ電子タグシステム）の技術的条件について規定したものである。

2 改定内容

主な改定事項は以下のとおりである。

- (1) 平成 22 年 5 月の無線設備規則の改正（指定周波数帯の拡大、最大 5 チャンネルまでの同時使用を追加等）に対応した所要の改定を行うこと。
- (2) 同一周波数帯において運用される「構内無線局 950MHz 帯移動体識別用無線設備（ARIB STD-T89）」、「特定小電力無線局 950MHz 帯テレメータ用、テレコントロール用及びデータ伝送用無線設備（ARIB STD-T96）」、平成 22 年 5 月の無線設備規則の改正にともない新たに運用を開始する「簡易無線局 950MHz 帯移動体識別用無線設備（ARIB STD-T100）」との相互干渉を回避するために、それぞれのシステム運用に推奨されるチャンネルプランを明示すること。

3 標準規格の維持改定方法

本標準規格の維持改定は、「ユビキタスネットワーキングフォーラム」の中に設置されている「UHF 帯電子タグシステム標準化WG」（主任：パナソニック（株） 佐々木邦夫、事務局：（社）電波産業会）において行う。

特定小電力無線局 950MHz 帯テレメータ用、テレコントロール用
及びデータ伝送用無線設備標準規格の改定の概要
(1.0 版から 1.1 版への改定)

1 概要

本件は、総務省における制度整備（無線設備規則等の改正、平成 22 年 5 月）に対応するため、標記システムに係る標準規格（ARIB STD-T96）を改定するものである。

なお、本標準規格は、電波法施行規則第 6 条（関係告示・平成元年第 42 号、改正平成 20 年第 320 号）に規定される特定小電力無線局の用途等のうちテレメータ用、テレコントロール用及びデータ伝送用であって、無線設備規則第 49 条の 14 第 7 号に規定された 954MHz を超え 958MHz 以下の周波数の電波を使用する無線設備及び無線設備規則第 49 条の 14 第 8 号に規定された 950MHz を超え 958MHz 以下の周波数の電波を使用する無線設備（UHF 帯アクティブ電子タグシステム）について規定したものである。

2 改定内容

主な改定事項は以下のとおりである。

- (1) 平成 22 年 5 月の無線設備規則の改正（指定周波数帯の拡大、最大 5 チャンネルまでの同時使用を追加等）に対応した所要の改定を行うこと。
- (2) 同一周波数帯において運用される「構内無線局 950MHz 帯移動体識別用無線設備（ARIB STD-T89）」、「特定小電力無線局 950MHz 帯移動体識別用無線設備（ARIB STD-T90）」、平成 22 年 5 月の無線設備規則の改正にともない新たに運用を開始する「簡易無線局 950MHz 帯移動体識別用無線設備（ARIB STD-T100）」との相互干渉を回避するために、それぞれのシステム運用に推奨されるチャンネルプランを明示すること。

3 標準規格の維持改定方法

本標準規格の維持改定は、「ユビキタスネットワーキングフォーラム」の中に設置されている「UHF 帯電子タグシステム標準化WG」（主任：パナソニック（株） 佐々木邦夫、事務局：（社）電波産業会）において行う。

IMT-2000 DS-CDMA and TDD-CDMA System 標準規格及び技術資料の改定の概要

1 改定理由

3GPP TSG 第 47 回 (平成 22 年 3 月オーストリア・ウィーン開催) 会合において、リリース 99、リリース 4、リリース 5、リリース 6、リリース 7、リリース 8 及びリリース 9 の仕様について追加又は改定が承認された。

このため、第 76 回規格会議 (平成 22 年 4 月開催) において承認された ARIB STD-T63/TR-T12 Ver. 8.00 に対して、3GPP TSG 第 47 回会合までに承認されたリリース 99 からリリース 9 を含めた仕様の追加又は修正を反映するための改定を行い、それぞれ ARIB STD-T63 Ver. 8.10 及び TR-T12 Ver. 8.10 とする。

2 改定内容 (Ver. 8.00 → Ver. 8.10)

(ア) リリース 99

- ① STD-T63 について 追加： 0 [0]件、 修正： 1 [1]件
- ② TR-T12 について 追加： 0 [0]件、 修正： 0 [0]件

(イ) リリース 4

- ① STD-T63 について 追加： 0 [0]件、 修正： 2 [2]件
- ② TR-T12 について 追加： 0 [0]件、 修正： 0 [0]件

(ウ) リリース 5

- ① STD-T63 について 追加： 0 [1]件、 修正： 2 [2]件
- ② TR-T12 について 追加： 0 [0]件、 修正： 0 [0]件

(エ) リリース 6

- ① STD-T63 について 追加： 0 [0]件、 修正： 2 [2]件
- ② TR-T12 について 追加： 0 [0]件、 修正： 0 [0]件

(オ) リリース 7

- ① STD-T63 について 追加： 0 [0]件、 修正： 12 [27]件
- ② TR-T12 について 追加： 0 [0]件、 修正： 0 [0]件

(カ) リリース 8

- ① STD-T63 について 追加： 1 [0]件、 修正： 59 [94]件
- ② TR-T12 について 追加： 0 [0]件、 修正： 2 [2]件

(キ) リリース 9

- ① STD-T63 について 追加： 21 [255]件、 修正： 94 件
- ② TR-T12 について 追加： 1 [62]件、 修正： 5 件

上記[]内は前回 Ver. 8.00 への改定時の件数。

改定内容の詳細は、STD-T63 については、別紙 1 を参照。TR-T12 については、別紙 2 を参照。

3 改定のポイント

リリース8、リリース9を中心に、技術仕様及び技術資料の追加。修正があったが、リリース9は平成21年12月開催の3GPP TSG第46回会合において仕様凍結されていることから、新しい技術仕様・技術資料の追加に特筆すべきものはなかった。

4 電波法関連規則に関する事項の確認について

今回の追加・修正について、電波法・関連規則等との関係を調査した結果、問題ないことを確認した。

以上

IMT-2000 DS-CDMA and TDD-CDMA System 標準規格及び技術資料の改定の概要

1 改定理由

3GPP TSG 第 47 回 (平成 22 年 3 月オーストリア・ウィーン開催) 会合において、リリース 99、リリース 4、リリース 5、リリース 6、リリース 7、リリース 8 及びリリース 9 の仕様について追加又は改定が承認された。

このため、第 76 回規格会議(平成 22 年 4 月開催)において承認された ARIB STD-T63/TR-T12 Ver. 8.00 に対して、3GPP TSG 第 47 回会合までに承認されたリリース 99 からリリース 9 を含めた仕様の追加又は修正を反映するための改定を行い、それぞれ ARIB STD-T63 Ver. 8.10 及び TR-T12 Ver. 8.10 とする。

2 改定内容 (Ver. 8.00 → Ver. 8.10)

(ア) リリース 99

- ① STD-T63 について 追加： 0 [0]件、 修正： 1 [1]件
- ② TR-T12 について 追加： 0 [0]件、 修正： 0 [0]件

(イ) リリース 4

- ① STD-T63 について 追加： 0 [0]件、 修正： 2 [2]件
- ② TR-T12 について 追加： 0 [0]件、 修正： 0 [0]件

(ウ) リリース 5

- ① STD-T63 について 追加： 0 [1]件、 修正： 2 [2]件
- ② TR-T12 について 追加： 0 [0]件、 修正： 0 [0]件

(エ) リリース 6

- ① STD-T63 について 追加： 0 [0]件、 修正： 2 [2]件
- ② TR-T12 について 追加： 0 [0]件、 修正： 0 [0]件

(オ) リリース 7

- ① STD-T63 について 追加： 0 [0]件、 修正： 12 [27]件
- ② TR-T12 について 追加： 0 [0]件、 修正： 0 [0]件

(カ) リリース 8

- ① STD-T63 について 追加： 1 [0]件、 修正： 59 [94]件
- ② TR-T12 について 追加： 0 [0]件、 修正： 2 [2]件

(キ) リリース 9

- ① STD-T63 について 追加： 21 [255]件、 修正： 94 件
- ② TR-T12 について 追加： ② [62]件、 修正： 5 件

技術報告書が 1 件追加
されました

上記[]内は前回 Ver. 8.00 への改定時の件数。

改定内容の詳細は、STD-T63 については、別紙 1 を参照。TR-T12 については、別紙 2 を参照。

7. Release 9
7.1. Added Technical Report

Added Standard Number	Version at ARIB STD-T12 Ver.8.10		3GPP WG	Title	New Document Summary
ARIB TR-T12-35.919	9.0.0		S3	Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 5: Design and evaluation report	upgraded with no technical change

← 改定履歴が 1 件追加
されました

(Annex 39)

3GPP ARIB Change history List of Standards Ver. 8.10

15 July 2010

1. Release 99

1.1. Added Standards

None

1.2. Revised Standards

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
ARIB STD-T63-27.007	3.14.0	3.13.0	C1	AT command set for User Equipment (UE)	Removal of [,<pd1>[,...[,pdN]]] in +CGDCONT

2. Release 4

2.1. Added Standards

None

2.2. Revised Standards

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
ARIB STD-T63-25.307	4.16.0	4.15.0	R2	Requirements on UE supporting a release-independent frequency band	Introduction of band XX (800 MHz)
ARIB STD-T63-27.007	4.7.0	4.6.0	C1	AT command set for User Equipment (UE)	Removal of [,<pd1>[,...[,pdN]]] in +CGDCONT

3. Release 5

3.1. Added Standards

None

3.2. Revised Standards

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
ARIB STD-T63-25.307	5.15.0	5.14.0	R2	Requirements on UE supporting a release-independent frequency band	Introduction of band XX (800 MHz)
ARIB STD-T63-27.007	5.7.0	5.6.0	C1	AT command set for User Equipment (UE)	Illogical response in +CGDSCONT test command (REL 5)

4. Release 6

4.1. Added Standards

None

4.2. Revised Standards

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
ARIB STD-T63-25.307	6.12.0	6.11.0	R2	Requirements on UE supporting a release-independent frequency band	Introduction of band XX (800 MHz)
ARIB STD-T63-27.007	6.10.0	6.9.0	C1	AT command set for User Equipment (UE)	Removal of [,<pd1>[,...[,<pdN>]]] in +CGDCONT

5. Release 7

5.1. Added Standards

None

5.2. Revised Standards

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
ARIB STD-T63-25.102	7.17.0	7.16.0	R4	UE Radio transmission and reception (TDD)	Corrections on “Maximum output power with multi-code”, “Demodulation of DCH in moving conditions for TDD” and “Demodulation of DCH in birth-death conditions for TDD” are made.
ARIB STD-T63-25.105	7.14.0	7.13.0	R4	Base Station (BS) radio transmission and reception (TDD)	Correction of “E-DCH FRC3 for LCR TDD” is made.
ARIB STD-T63-25.123	7.11.0	7.10.0	R4	Requirements for support of radio resource management (TDD)	Corrections on “Addition of requirement Serving HS-DSCH cell change for 1,28 Mcps TDD”, “Addition of requirement 5ms TTI E-DCH E-TFC restriction for 1,28 Mcps TDD”, “Addition of requirement Random Access for 1,28 Mcps TDD”, “Cell re-selection to inter-band TDD cell”, “Addition of requirement UTRAN to GSM Cell Re-Selection: HCS with only UTRA level changed for 1,28 Mcps TDD”, “TDD/TDD Handovers for 1,28 Mcps”, “Addition of requirement Cell Re-selection in CELL_FACH: Cell Reselection to GSM for 1,28 Mcps TDD”, “1.28Mcps TDD P-CCPCH RSCP measurement test case” are made.
ARIB STD-T63-25.142	7.14.0	7.13.0	R4	Base station (BS) conformance testing (TDD)	Correction of E-DCH FRC3 for LCR TDD is made.
ARIB STD-T63-25.214	7.15.0	7.14.0	R1	Physical layer procedures (FDD)	Introduce a restriction to MIMO UEs in which the PCI reports can only indicate a subset of precoding vectors.

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
ARIB STD-T63-25.307	7.8.0	7.7.0	R2	Requirements on UE supporting a release-independent frequency band	Introduction of band XX (800 MHz)
ARIB STD-T63-25.321	7.16.0	7.15.0	R2	MAC protocol specification	Correction to MAC-ehs reset at Treset expiry
ARIB STD-T63-25.423	7.16.0	7.15.0	R3	UTRAN Iur interface RNSAP signalling	Indication of Precoding Weight Set Restriction preference
ARIB STD-T63-25.433	7.16.0	7.15.1	R3	UTRAN Iub interface NBAP signalling	Indication of Precoding Weight Set Restriction preference
ARIB STD-T63-26.114	7.11.0	7.10.0	S4	IP Multimedia Subsystem (IMS); Multimedia telephony; Media handling and interaction	Alignment of AVP/AVPF support with MTSI deployments and H324M interworking procedures in decomposed MGCF and IM-MGW are added.
ARIB STD-T63-27.007	7.6.0	7.5.0	C1	AT command set for 3G User Equipment (UE)	Removal of [,<pd1>[,...[,<pdN>]]] in +CGDCONT
ARIB STD-T63-31.213	7.2.0	7.1.0	C6	Test specification for subscriber (U)SIM; Application Programming Interface (API) for Java Card™	Addition of Rel-7 tests References update and cleanup

6. Release 8

6.1. Added Standards

Added Standard Number	Version at ARIB STD-T12 Ver.8.10		3GPP WG	Title	New Document Summary
ARIB STD-T63-36.307	8.0.0		R4	Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band	The document specifies requirements on UEs supporting a frequency band that is independent of release. Some extra requirement required to a UE that confirms to the present release but also supports a band of operation specified in a later release are captured in this specification.

6. 2. Revised Standards

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
ARIB STD-T63-21.201	8.3.0	8.2.0	SP	Technical Specifications and Technical Reports relating to an Evolved Packet System (EPS) based 3GPP system	Update list of specs
ARIB STD-T63-21.202	8.3.0	8.2.0	SP	Technical Specifications and Technical Reports relating to the Common IP Multimedia Subsystem (IMS)	Update list of specs
ARIB STD-T63-23.203	8.9.0	8.8.0	S2	Policy and charging control architecture	A note is added that in this Release the PCEF uses all SDF filters for the generation of traffic mapping information. The default IP-CAN bearer will always be established without traffic mapping information. If the PCEF receives PCC rules for the default IP-CAN bearer with SDF filters other than a match all filter, the PCEF is required to add the traffic mapping information to the default IP-CAN bearer subsequently.

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
ARIB STD-T63-23.204	8.5.0	8.4.0	S2	Support of Short Message Service (SMS) over generic 3GPP Internet Protocol (IP) access; Stage 2	IMDN references updated.
ARIB STD-T63-23.228	8.12.0	8.11.0	S2	IP Multimedia Subsystem(IMS); Stage 2	Clarifies that the MSC server enhanced for ICS/SRVCC can be connected via the IBCF.
ARIB STD-T63-25.101	8.10.0	8.9.0	R4	UE Radio transmission and reception (FDD)	Correction of H-Set 11 requirement for type 3 and type 3i receivers is made
ARIB STD-T63-25.104	8.10.0	8.9.0	R4	Base Station (BS) radio transmission and reception (FDD)	Corrections on "Time alignment error requirements" and "Extended UMTS1500" are made.
ARIB STD-T63-25.133	8.10.0	8.9.0	R4	Requirements for support of radio resource management (FDD)	Corrections on "Cell search requirement for UTRA to E-UTRA HO to unknown target cell", "Cell Reselection Requirements", "Cell Reselection Requirements" and "RRM parameters for Bands XII, XIII, XIV" are made.
ARIB STD-T63-25.141	8.10.0	8.9.0	R4	Base Station (BS) conformance testing (FDD)	Corrections on "Home BS Output Power Conformance Testing", "Removal of testing for receiver diversity port" and "Time alignment error requirements" are made.
ARIB STD-T63-25.214	8.9.0	8.8.0	R1	Physical layer procedures (FDD)	Introduce a restriction to MIMO UEs in which the PCI reports can only indicate a subset of precoding vectors. Correct HS-DSCH and HS-SCCH reception in the URA_PCH and CELL_PCH states. Clarify when the HS-DPCCH coding scheme change takes place.
ARIB STD-T63-25.301	8.6.0	8.5.0	R2	Radio Interface Protocol Architecture	Correction of Protocol termination points for E-DCH for CCCH(R8)
ARIB STD-T63-25.302	8.6.0	8.5.0	R2	Services provided by the physical layer	Corrections to FDD DL physical channel combinations
ARIB STD-T63-25.304	8.9.0	8.8.0	R2	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	Reception of ETWS notification in limited service state Alternative clarification to priority based mobility Correction to Access Class handling for 'not barred' cells Handling MBSFN cluster selection in the case of 'reserved' cell status

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
ARIB STD-T63-25.307	8.6.0	8.5.0	R2	Requirements on UE supporting a release-independent frequency band	Introduction of band XX (800 MHz)
ARIB STD-T63-25.308	8.8.0	8.7.0	R2	UTRA High Speed Downlink Packet Access (HSDPA); Overall	Correction of DRX definition for LCR TDD Corrections to stage 2 of DC-HSDPA Removal of FFSs about the support of E-FACH for 1.28Mcps TDD Correction to the enhanced serving cell change
ARIB STD-T63-25.319	8.9.0	8.8.0	R2	Enhanced uplink; Overall description; Stage 2	Error Detection instead of error correction in Enhanced Uplink in CELL_FACH Clarification on CRC Attachment for CCCH transmission in enhanced CELL_FACH state for 1.28 Mcps TDD
ARIB STD-T63-25.321	8.9.0	8.8.0	R2	MAC protocol specification	Clarification on Scheduling Information reporting for 1.28 Mcps TDD Correction of HS-SCCH Type 3 usage with MAC-ehs for LCR TDD Error Detection instead of error correction in Enhanced Uplink in CELL_FACH Correction to MAC-ehs reset at Treset expiry Start of timer for contention resolution Clarification on CRC Attachment for CCCH transmission in enhanced CELL_FACH state for 1.28 Mcps TDD Correction to HARQ procedure for HS-DSCH SPS operation for 1.28 Mcps TDD Modification on TB size for 1.28 Mcps TDD Correction to handling of equal priority flows in E-TFC selection
ARIB STD-T63-25.423	8.8.0	8.7.0	R3	UTRAN Iur interface RNSAP signalling	Addition of HS-DSCH physical layer category over Iur Allow reconfiguration of some IEs in RL Addition procedure Correction of DC-HSDPA Capability Report in Iur E-RNTI Allocation for UE moves to Cell_FACH from Cell_DCH Correction for the description of E-DCH serving radio link IE for E-DCH semi-persistent operation Combining E-DCH Radio Links within the RLS

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
					Correction to state transition of Enhanced CELL_FACH UE for LCR TDD Synchronization detection window configuration in CPC for 1.28 Mcps TDD Correction for Procedural Text on E-RNTI Allocation at E-DCH Serving Cell Change Indication of Precoding Weight Set Restriction preference
ARIB STD-T63-25.425	8.5.0	8.4.0	R3	UTRAN Iur interface user plane protocols for Common Transport Channel data streams	Clarification of eDRX Indication for 1.28Mcp TDD
ARIB STD-T63-25.433	8.8.0	8.7.1	R3	UTRAN Iub interface NBAP signalling	Allow reconfiguration of some IEs in RL Addition procedure Correction of E-DCH RACH Report E-RNTI Allocation for UE moves to Cell_FACH from Cell_DCH Clarification of HS-DSCH Paging System Information LCR Addition of power control and synchronization control configurations for enhanced CELL_FACH for 1.28Mcps TDD Correction of description for RSI procedure for 1.28Mcps TDD Correction for the description of E-DCH serving radio link IE for E-DCH semi-persistent operation Correction of the presence of Sixtyfour QAM DL and MIMO Combined Capability IE A missing IE in ASN.1 for 1.28 Mcps TDD Correction on the PHYSICAL SHARED CHANNEL RECONFIGURATION FAILURE for 1.28Mcps TDD Corrections to the number of Non-HS-SCCH Associated HS-SICH for 1.28Mcps TDD Clarification of HS-SCCH TPC step size configuration Synchronization detection window configuration in CPC for 1.28 Mcps TDD Addition of Physical Channel ID in the common E-RNTI configuration for 1.28 Mcps TDD Addition of F-DPCH TX Power info in Common E-DCH System Information

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
					Removal of procedural text for DPC Mode IE in Common E-DCH System Information Correction for Procedural Text on E-RNTI Allocation at E-DCH Serving Cell Change Indication of Precoding Weight Set Restriction preference Correction of common E-DCH mac-d flow for CCCH transmission
ARIB STD-T63-25.435	8.5.0	8.4.0	R3	UTRAN lub interface user plane protocols for Common Transport Channel data streams	Clarification DCCH/DTCH transmission mechanism in enhanced CELL-PCH state Correction of the value range for RACH Measurement Result IE for 1.28Mcps TDD
ARIB STD-T63-25.446	8.2.0	8.1.0	R3	MBMS synchronisation protocol(SYNC)	Corrections on Packet Number
ARIB STD-T63-25.467	8.5.0	8.4.0	R3	UTRAN architecture for 3G Home NodeB; Stage 2	Corrections on the non-CSG UEs registration and luh Disconnect Procedure
ARIB STD T63-25.468	8.2.0	8.1.0	R3	UTRAN luh Interface RANAP User Adaption (RUA) signalling	Minor corrections for RUA
ARIB STD T63-25.469	8.5.0	8.4.0	R3	UTRAN luh interface Home Node B Application Part (HNBAP) signalling	Minor corrections for HNBAP
ARIB STD-T63-26.102	8.4.0	8.3.0	S4	Mandatory speech codec; Adaptive Multi-Rate (AMR) speech codec; Interface to lu, Uu and Nb	Corrections and clarifications of Nb frames are done.
ARIB STD-T63-26.114	8.5.0	8.4.0	S4	IP Multimedia Subsystem (IMS); Multimedia telephony; Media handling and interaction	Alignment of AVP/AVPF support with MTSI deployments and H324M interworking procedures in decomposed MGCF and IM-MGW are carried out.
ARIB STD-T63-27.007	8.11.0	8.10.0	C1	AT command set for 3G User Equipment (UE)	Removal of [, <pd1>[,...[,pdN]]] in +CGDCONT Incorrect indication of AT commands as parameter commands Incorrect name for test command version of +CGTFTTRDP

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
					Correction of the packet domain event reporting +CGEV
ARIB STD-T63-31.121	8.4.0	8.3.0	C6	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	Rel-8 content replacement by reference to TS 31.121
ARIB STD-T63-31.124	8.5.0	8.4.0	C6	Mobile Equipment (ME) conformance test specification; Universal Subscriber Interface Module Application Toolkit (USAT) conformance test specification	Rel-8 content replacement by reference to TS 31.124, Rel-9
ARIB STD-T63-31.213	8.1.0	8.0.0	C6	Test specification for subscriber (U)SIM; Application Programming Interface (API) for Java Card™	References update and cleanup Addition of Rel-7 tests
ARIB STD-T63-31.220	8.2.0	8.1.0	C6	Characteristics of the Contact Manager for 3GPP UICC applications	Correction of wrong reference pointer and clarification
ARIB STD-T63-33.102	8.6.0	8.5.0	S3	3G security; Security architecture	Correct Kc to Kc' when derived from CK'CS IK'CS Correction of IRAT mobility before UMTS AKA is run
ARIB STD-T63-33.108	8.10.0	8.9.0	S3	3G security; Handover interface for Lawful Interception (LI)	EPSLocation ULI length correction Correction on RAI coding inside "old user location information" parameter
ARIB STD-T63-33.223	8.6.0	8.5.0	S3	Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) Push function	Correction of incorrect requirement for mandatory support of GBA Push for GBA aware MEs Correction of private identity exposure and delivery of GPI to USIM/ISIM
ARIB STD-T63-33.401	8.7.0	8.6.0	S3	3GPP System Architecture Evolution (SAE); Security architecture	Clarification of Identification procedure in MME Handling of EPS NAS security context in state transitions GPRS Kc handling Desynchronization of PS keys between the UE and the network in case of PS HO failure (Rel-8) Not resetting START to 0 in idle mode mobility (Rel-8). Correction of SRVCC failure

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
ARIB STD-T63-34.108	8.10.0	8.9.0	R5	Common test environments for User Equipment (UE); Conformance testing	Additions/Updates related to TDD, Enhanced CELL FACH,..etc. and some corrections.
ARIB STD-T63-34.121-1	8.10.0	8.9.0	R5	User Equipment (UE) conformance specification; Radio transmission and reception (FDD); Part 1:	Additions/Updates for E-UTRA HO/cell search, DC-HSDPA, ..etc.. and some corrections.
ARIB STD-T63-34.121-2	8.10.0	8.9.0	R5	User Equipment (UE) conformance specification; Radio transmission and reception (FDD); Part 2: Implementation Conformance Statement (ICS)	- Introduction of enhanced serving HS-DSCH cell change test case into TS 34.121-2(RP-100159) - Title change for test case in TC 8.3.5.4 in TS 34.121-2(RP-100139) - Updates to test applicability section of 34.121-2 related to DC-HSDPA type3i requirement (RP-100149) - CR to 34.121-2: Update baseline implementation capabilities with extended UMTS1500 operating bands (RP-100154) - Applicability corrections and additions for HSDPA test cases (RP-100140)
ARIB STD-T63-34.123-1	8.10.0	8.9.0	R5	UE conformance specification; Part 1: Protocol conformance specification	Additions for WLAN interworking, Enhanced CELL FACH, TDD, ..etc. and many corrections.
ARIB STD-T63-34.123-2	8.10.0	8.9.0	R5	UE conformance specification; Part 2: ICS proforma specification	Changes related to 34.123-1 change.
ARIB STD-T62-34.123-3	8.5.0	8.4.0	R5	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSS)	Many LCR TDD test cases are added. And other corrections.
ARIB STD-T63-34.229-1	8.5.0	8.4.0	R5	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Part 1: Protocol conformance specification	- Add references for SMS over IP (RP-100155) - Update message REGISTER for SMS (RP-100155) - Update test case 8.1 for SMS (RP-100155)

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
					- Add new test case 18.2 for SMS (RP-100155) - Add default messages for SMS (RP-100155) - Addition of new SMS over IMS test case 18.1(RP-100155)
ARIB STD-T63-34.229-2	8.5.0	8.4.0	R5	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Part 2: Implementation Conformance Statement (ICS) specification	- Addition of applicability for new SMS over IMS test case (RP-100155) - Add capability for SMS over IP (RP-100155) - Add applicability for SMS test cases (RP-100155)
ARIB STD-T63-34.229-3	8.3.0	8.2.0	R5	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Part 3: Abstract test suite (ATS)	- CR to 34.229-3 (prose) update to v830 (RP-100146) - Correction of IMS test model for XCAP-based SS test (RP-100155) - Add bearer information for E-UTRA (RP-100140)
ARIB STD-T63-36.101	8.9.0	8.8.0	R4	Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception	Corrections on “UTRA ACLR measurement bandwidths for 1.4 and 3 MHz”, “Band 8 Coexistence Requirement Table Correction”, “Requirements for Band 14”, “Band 1- PHS coexistence”, “Fading CQI requirements for FDD mode”, “RI test”, “Reporting mode, Reporting Interval and corrections for demodulation requirements”, “1PRB PDSCH performance test in presence of MBSFN.”, “Descriptions of OCNG”, “OCNG configuration in DRS performance test”, “OCNG in CSI tests”, “CQI test configurations”, “CSI test parameters”, “TBS for RMC UL TDD 16QAM full allocation BW 1.4 MHz”, “RF requirements for UE in later releases” and “Modification of the spectral flatness requirement and some editorial corrections” are made.
ARIB STD-T63-36.104	8.9.0	8.8.0	R4	Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception	Corrections of “The frequency range for unwanted emissions limits (cat-B/option 2/BW 3MHz)”, “Band 4 and 10 co-existence requirement” and “Adding missing references” are made.
ARIB STD-T63-36.133	8.9.0	8.8.0	R4	Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for support of radio	Corrections on “Idle mode”, “UE measurement capability requirements in Idle and Connected”, “UE Measurement

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
				resource management	Capability Requirements in Idle Mode”, “Removal of activation time from interRAT handover requirements”, “UE Transmit Timing Requirements”, “E-UTRAN FDD inter frequency measurements”, “E-UTRAN TDD inter frequency measurements_R8”, “RSRP value in E-UTRAN FDDFDD Inter frequency reselection test”, “Addition of missing Es/Noc parameters in RRM test cases”, “RRC Re-establishment Test Case”, “UE transmit timing test case”, RLM Test Cases”, “General Corrections in TS36.133(Rel-8)” and “Extended UMTS1500” are make.
ARIB STD-T63-36.141	8.6.0	8.5.0	R4	Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing	Corrections on “The frequency range for unwanted emissions limits (cat-B/option 2/BW 3MHz)” and “Band 4 and 10 co-existence requirement” are made.
ARIB STD-T63-36.300	8.12.0	8.11.0	R2	Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRAN); Overall description; Stage 2	Queue concurrent NAS messages if necessary for in seq delivery Support of X2 Inter-PLMN HO eNB/MME Status Transfer procedure
ARIB STD-T63-36.306	8.6.0	8.5.0	R2	Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities	Bounds to RoHC requirements for IMS capable UEs supporting voice
ARIB STD-T63-36.331	8.9.0	8.8.0	R2	Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification	Aligning the number of neighbor cells in SIB8 between Rel-8 and Rel-9 Clarification of CGI reporting Measurement Result CDMA2000 Cell Clarification on DRX StartOffset for TDD
ARIB STD-T63-36.413	8.9.0	8.8.0	R3	Evolved Universal Terrestrial Radio Access (E-UTRA) ; S1 Application Protocol (S1AP)	Correction of Path Switch Failure Crrection in DOWNLIN S1 CDMA2000 TUNNELING Procedure Rapporteur’s update for S1AP protocol Removing the restriction for Primary Notification CDMA2000 1xRTT RAND format Handling of CDMA2000 RAT and Sector ID

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
					Define meaning of 0 in Number of Broadcast Requested IE for ETWS
ARIB STD-T63-36.423	8.9.0	8.8.0	R3	Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 Application Protocol (X2AP)	Clarification on operational use of updated configuration data Correction to the Resource Status Reporting Initiation procedure Rapporteur's update of X2AP protocol
ARIB STD-T63-36.508	8.5.0	8.4.0	R5	Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Common test environments for User Equipment (UE) conformance testing	Mainly corrections. Band 20 is added.
ARIB STD-T63-36.509	8.5.0	8.4.0	R5	Evolved Universal Terrestrial Radio Access (E-UTRA); Special conformance testing function for User Equipment (UE)	- Clarification of UL and DL PDCP SDU size (R5-100616)
ARIB STD-T63-36.521-1	8.5.0	8.4.0	R5	Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: conformance testing	Mainly corrections.
ARIB STD-T63-36.521-2	8.4.0	8.3.0	R5	Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Implementation Conformance Statement (ICS)	- CR to 36.521-2 Rel-8 Introduction of Applicability for E-UTRAN FDD - FDD Intra Frequency Cell Search with DRX when L3 filtering is used (R5-100358) - CR to 36.521-2: Update baseline implementation capabilities with extended LTE1500 operating bands (R5-100561) - CSI: Following up corrections to tests titles and RI clause structure (R5-100872)
ARIB STD-T63-36.521-3	8.3.0	8.2.0	R5	Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 3: Radio Resource Management (RRM) conformance testing	Updates related to E-UTRA TDD multi cell, E-UTRA FDD – C3K HO, ..etc.

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
ARIB STD-T63-36.523-1	8.5.0	8.4.0	R5	Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	DSMIPv6 test cases are added. Many GCF P1-4 test cases are updated.
ARIB STD-T63-36.523-2	8.5.0	8.4.0	R5	Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); User Equipment (UE) conformance specification; Part 2: ICS	Changes related to 36.523-1 changes.
ARIB STD-T63-36.523-3	8.2.0	8.1.0	R5	Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 3: Test suites	GCF Wi 81, 82 test cases are added.

7. Release 9

7.1. Added Standards

Added Standard Number	Version at ARIB STD-T12 Ver.8.10		3GPP WG	Title	New Document Summary
ARIB STD-T63-21.101	9.0.0		SP	Technical Specifications and Technical Reports for a UTRANbased 3GPP system	The document specifies requirements on UEs supporting a frequency band that is independent of release. Some extra requirement required to a UE that confirms to the present release but also supports a band of operation specified in a later release are captured in this specification.
ARIB STD-T63-21.201	9.0.0		SP	Technical Specifications and Technical Reports relating to an Evolved Packet System (EPS) based 3GPP system	The present document identifies the 3GPP system specifications for Release 8. The specifications and reports of 3GPP Release 8 have a major version number 8 (i.e. 8.x.y). The listed Specifications are required to build a system based on the Evolved Packet System.
ARIB STD-T63-21.202	9.0.0		SP	Technical Specifications and Technical Reports relating to the Common IP Multimedia Subsystem (IMS)	The present document identifies the 3GPP Technical Specifications and Technical Reports specifically relating to the IP Multimedia Subsystem (IMS). and which are common to all systems based on IMS.
ARIB STD-T63-34.108	9.0.0		R5	Common test environments for User Equipment (UE); Conformance testing	upgraded with no technical change
ARIB STD-T63-34.114	9.0.0		R5	User Equipment (UE) / Mobile Station (MS) Over The Air (OTA) antenna performance; Conformance testing	upgraded with no technical change
ARIB STD-T63-34.121-1	9.0.0		R5	User Equipment (UE) conformance specification; Radio transmission and reception (FDD); Part 1:	upgraded with no technical change

Added Standard Number	Version at ARIB STD-T12 Ver.8.10		3GPP WG	Title	New Document Summary
ARIB STD-T63-34.121-2	9.0.0		R5	User Equipment (UE) conformance specification; Radio transmission and reception (FDD); Part 2: Implementation Conformance Statement (ICS)	upgraded with no technical change
ARIB STD-T63-34.123-1	9.0.0		R5	UE conformance specification; Part 1: Protocol conformance specification	upgraded with no technical change
ARIB STD-T63-34.123-2	9.0.0		R5	UE conformance specification; Part 2: ICS proforma specification	upgraded with no technical change
ARIB STD-T63-34.171	9.0.0		R5	Terminal conformance specification; Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)	This document specifies the measurement procedures for the conformance test of the minimum performance requirements for FDD mode of UTRA UE that supports A-GPS.
ARIB STD-T63-34.229-1	9.0.0		R5	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Part 1: Protocol conformance specification	This document specifies the protocol conformance testing for the UE supporting the IP multimedia call control protocol based on SIP and SDP.
ARIB STD-T63-34.229-2	9.0.0		R5	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Part 2: Implementation Conformance Statement (ICS) specification	This document provides the Implementation Conformance Statement (ICS) proforma for 3rd Generation UE supporting the IP multimedia call control protocol based on SIP and SDP.
ARIB STD-T63-36.171	9.0.0		R4	Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for Support of Assisted Global Navigation Satellite System (A-GNSS)	The document establishes the minimum performance requirements for A-GNSS (including A-GPS) for FDD or TDD mode of E-UTRA for the User Equipment (UE).
ARIB STD-T63-36.307	9.0.0		R4	Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band	The document specifies requirements on UEs supporting a frequency band that is independent of release. Some extra requirement required to a UE that confirms to the present release but also supports a band of operation specified in a later release are captured in this specification.

Added Standard Number	Version at ARIB STD-T12 Ver.8.10		3GPP WG	Title	New Document Summary
ARIB STD-T63-36.508	9.0.0		R5	Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Common test environments for User Equipment (UE) conformance testing	upgraded with no technical change
ARIB STD-T63-36.509	9.0.0		R5	Evolved Universal Terrestrial Radio Access (E-UTRA); Special conformance testing function for User Equipment (UE)	upgraded with no technical change
ARIB STD-T63-36.521-1	9.0.0		R5	Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: conformance testing	upgraded with no technical change
ARIB STD-T63-36.521-2	9.0.0		R5	Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Implementation Conformance Statement (ICS)	upgraded with no technical change
ARIB STD-T63-36.521-3	9.0.0		R5	Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 3: Radio Resource Management (RRM) conformance testing	upgraded with no technical change
ARIB STD-T63-36.523-1	9.0.0		R5	Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	upgraded with no technical change
ARIB STD-T63-36.523-2	9.0.0		R5	Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); User Equipment (UE) conformance specification; Part 2: ICS	upgraded with no technical change

7.2. Revised Standards

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
ARIB STD-T63-22.101	9.7.0	9.6.0	S1	Service aspects; Service principles	Removing the requirement for PSAP call back identification
ARIB STD-T63-22.220	9.4.0	9.3.0	S1	Service requirements for Home Node B (HNB) and Home eNode B (HeNB)	Removal of IMS HNB interworking Clarification of the interaction of the Operator and Allowed CSG lists
ARIB STD-T63-23.040	9.2.0	9.1.0	C1	Technical realization of Short Message Service (SMS)	SMS. Removal of obsolete reference to TS 43.047
ARIB STD-T63-23.041	9.3.0	9.2.0	C1	Technical Realization of Cell Broadcast Service (CBS)	Corrections to the Cell Broadcast Service (CBS) for ETWS Correction of figure 4b Addition of Broadcast Message Type
ARIB STD-T63-23.203	9.4.0	9.3.0	S2	Policy and charging control architecture	1. Include the user CSG information in the the IP CAN Session Establishment, IP CAN Session Modification and PCRF initiated and GW Control session establishment. 2. Add the CSG event triggers to the Event-Trigger Table for 3GPP access. It is proposed to give the PCEF/BBERF explicit instructions about which of the SDF filters are to be used for the generation of traffic mapping information and which not. Each SDF filter of a dynamically provided or pre-defined PCC rule should be marked accordingly.
ARIB STD-T63-23.204	9.1.0	9.0.0	S2	Support of Short Message Service (SMS) over generic 3GPP Internet Protocol (IP) access; Stage 2	IMDN references updated.

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ARIB STD-T63-23.228	9.3.0	9.2.0	S2	IP Multimedia Subsystem(IMS); Stage 2	Clarifies that the MSC server enhanced for ICS/SRVCC can be connected via the IBCF. Removes statements around that Ix is not specified, and adds a correct reference to where it is specified. It is clarified that resource authorization is done per session and the totally allowed resources per subscription needs to be taken into account when authorizing additional resources. Clarified that Call Waiting require double resource authorization and reservation.
ARIB STD-T63-25.101	9.3.0	9.2.0	R4	UE Radio transmission and reception (FDD)	Addition to the corresponding changes in V8.10.0, corrections on "CQI requirements for DC_MIMO", "HS-SCCH requirements for TxAA fallback extension", "Tx-Rx frequency separation for DC-HSUPA" and "Rx core requirements for DC-HSUPA" are made. Also "Requirements for UMTS in 800 MHz for Europe" are introduced.
ARIB STD-T63-25.104	9.3.0	9.2.0	R4	Base Station (BS) radio transmission and reception (FDD)	Clarification of "Time alignment error requirements" (different from the changes in V8.10.0), corrections on "Extended UMTS1500 requirements" (different from the changes in V8.10.0), and "Tx-Rx frequency separation for DC-HSUPA" are made. Introduction of "Band XX" is made.
ARIB STD-T63-25.113	9.2.0	9.1.0	R4	Base station and Repeater electromagnetic compatibility (EMC)	Descriptions for "Band XX" are introduced.
ARIB STD-T63-25.133	9.3.0	9.2.0	R4	Requirements for support of radio resource management (FDD)	Corresponding changes in V8.10.0, corrections on "UL interruptime requirement for DC-HSUPA", "ETFC Restriction for DC-HSUPA" are made. "Requirements for UMTS in 800 MHz for Europe" and "Requirements for HNB inbound mobility" are introduced.

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ARIB STD-T63-25.141	9.3.0	9.2.0	R4	Base Station (BS) conformance testing (FDD)	Corresponding changes in V8.10.0 and corrections on “Time alignment error requirements” (different chang from V8.10.0), “ Extended UMTS1500 requirements” and “Tx-Rx frequency separation for DC-HSUPA” are made. Requirements for “Band XX” are introduces.
ARIB STD-T63-25.144	9.2.0	9.1.0	R4	User Equipment (UE) and Mobile Station (MS) over the air performance requirements	Correction on “DB-DC-HSDPA Configuration 2 REFSENS relaxation to OTA requirements” is made.
ARIB STD-T63-25.212	9.2.0	9.1.0	R1	Multiplexing and channel coding (FDD)	Clarify the coding of HS-SCCH orders in accordance with the MIMO configuration of the UE in cells.
ARIB STD-T63-25.214	9.2.0	9.1.0	R1	Physical layer procedures (FDD)	Introduce a restriction to MIMO UEs in which the PCI reports can only indicate a subset of precoding vectors. Correct HS-DSCH and HS-SCCH reception in the URA_PCH and CELL_PCH states. Clarify which type of HS-SCCH shall be used for MIMO configuration. Clalify when the HS-DPCCH coding scheme change takes place. Correct Applicability of CQI Mapping Table. Decrease DC-HSPA carrier activation application time to 18 slots.
ARIB STD-T63-25.215	9.2.0	9.1.0	R1	Physical layer; Measurements (FDD)	Idle, URA_PCH inter-RAT, and CELL_PCH inter-RAT are added to E-UTRA RSRQ applicability.
ARIB STD-T63-25.301	9.1.0	9.0.0	R2	Radio Interface Protocol Architecture	Correction of Protocol termination points for E-DCH for CCCH(R9)
ARIB STD-T63-25.302	9.1.0	9.0.0	R2	Services provided by the physical layer	Corrections to FDD DL physical channel combinations Clarification of FDD DL channel combination applicability for DC-HSUPA

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ARIB STD-T63-25.304	9.1.0	9.0.0	R2	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	Reception of ETWS notification in limited service state Alternative clarification to priority based mobility Correction to Access Class handling for 'not barred' cells Handling MBSFN cluster selection in the case of 'reserved' cell status Cell reselection enhancements
ARIB STD-T63-25.306	9.2.0	9.1.0	R2	UE Radio Access capabilities	Clarification of code rates limitation for category 25/27 Release 9 UE Capability: UTRA Home Node B Inbound Mobility related features UE cat17/18 and signalling of Single Stream MiMo capability dual band capability Bounds to RoHC requirements for UEs supporting IMS
ARIB STD-T63-25.307	9.2.0	9.1.0	R2	Requirements on UE supporting a release-independent frequency band	Introduction of band XX (800 MHz)
ARIB STD-T63-25.308	9.2.0	9.1.0	R2	High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	Correction of DRX definition for LCR TDD Corrections to stage 2 of DC-HSDPA Removal of FFSS about the support of E-FACH for 1.28Mcps TDD Correction to the enhanced serving cell change
ARIB STD-T63-25.319	9.3.0	9.2.0	R2	Enhanced uplink; Overall description; Stage 2	Error Detection instead of error correction in Enhanced Uplink in CELL_FACH Corrections to DC-HSUPA operation Update of Stage 2 description for DC-HSUPA Clarification on CRC Attachment for CCCH transmission in enhanced CELL_FACH state for 1.28 Mcps TDD
ARIB STD-T63-25.321	9.2.0	9.1.0	R2	MAC protocol specification	Clarification on Scheduling Information reporting for 1.28 Mcps TDD Correction of HS-SCCH Type 3 usage with MAC-ehs for LCR TDD Error Detection instead of error correction in Enhanced Uplink in CELL_FACH Corrections for DC-HSUPA

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					Correction to MAC-ehs reset at Treset expiry Handling of SI timers at secondary carrier deactivation Start of timer for contention resolution Clarification on CRC Attachment for CCCH transmission in enhanced CELL_FACH state for 1.28 Mcps TDD Correction to HARQ procedure for HS-DSCH SPS operation for 1.28 Mcps TDD Modification on TB size for 1.28 Mcps TDD Clarification on E-TFC selection and happy bit procedures for DC-HSUPA Correction to handling of equal priority flows in E-TFC selection
ARIB STD-T63-25.367	9.3.0	9.2.0	R2	Mobility Procedures for Home Node B; Overall description; Stage 2	CR capturing HNB inbound mobility agreements
ARIB STD-T63-25.401	9.1.0	9.0.0	R3	UTRAN Overall Description	SPID description and implementation guidelines in UTRAN
ARIB STD-T63-25.423	9.2.0	9.1.0	R3	UTRAN Iur interface RNSAP signalling	Addition of HS-DSCH physical layer category over Iur E-RNTI Allocation for UE moves to Cell_FACH from Cell_DCH Allow reconfiguration of some IEs in RL Addition procedure Correction of DC-HSDPA Capability in Iur Correction for the description of E-DCH serving radio link IE for E-DCH semi-persistent operation Combining E-DCH Radio Links within the RLS Correction of Multi-cell Capability Report in Iur Introduction of HS-PDSCH resources on TS0 for 1.28Mcps TDD Correction to state transition of Enhanced CELL_FACH UE for LCR TDD Rel-9 Flexible cell combinations in DC-HSDPA Addition of DGNSS Validity Period in RNSAP

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					Introduction of UE Aggregate Maximum Bit Rate Enforcement Indicator Synchronization detection window configuration in CPC for 1.28 Mcps TDD Measurement occasion configuration in CELL_DCH for 1.28Mcps TDD Correction for Procedural Text on E-RNTI Allocation at E-DCH Serving Cell Change Indication of Precoding Weight Set Restriction preference Rapporteur's update of RNSAP protocol Corrections to DC HSUPA Remove Cell Specific HARQ memory partitioning for DC HSDPA+MIMO and additional corrections for HS-DSCH preconfiguration Corrected a typo in ASN.1 to make it pass the syntax checker ToC updated Corrupted headers fixed
ARIB STD-T63-25.425	9.1.0	9.0.0	R3	UTRAN Iur interface user plane protocols for Common Transport Channel data streams	Corrections to the TS0 enhancement for the UE in CELL_FACH state for 1.28Mcps TDD Clarification of eDRX Indication for 1.28Mcp TDD
ARIB STD-T63-25.433	9.2.0	9.1.1	R3	UTRAN Iub interface NBAP signalling	E-RNTI Allocation for UE moves to Cell_FACH from Cell_DCH Allow reconfiguration of some IEs in RL Addition procedure Clarification of HS-DSCH Paging System Information LCR Addition of power control and synchronization control configurations for enhanced CELL_FACH for 1.28Mcps TDD Correction of description for RSI procedure for 1.28Mcps TDD Correction for the description of E-DCH serving radio link IE for E-DCH semi-persistent operation Correction of the presence of Sixtyfour QAM DL and MIMO Combined Capability IE

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					A missing IE in ASN.1 for 1.28 Mcps TDD Correction on RTWP configuration in multiple frequencies cell 1.28Mcps TDD Correction on the PHYSICAL SHARED CHANNEL RECONFIGURATION FAILURE for 1.28Mcps TDD Introduction of HS-PDSCH resources on TS0 for 1.28Mcps TDD Corrections to the number of Non-HS-SCCH Associated HS-SICH for 1.28Mcps TDD Corrections from NBAP ASN.1 review Clarification of HS-SCCH TPC step size configuration Addition of DGNSS Validity Period in NBAP Introduction of UE Aggregate Maximum Bit Rate Enforcement Indicator Synchronization detection window configuration in CPC for 1.28 Mcps TDD Addition of Physical Channel ID in the common E-RNTI configuration for 1.28 Mcps TDD Measurement occasion configuration in CELL_DCH for 1.28Mcps TDD Addition of F-DPCH TX Power info in Common E-DCH System Information Small Correction/Improvements for DC-HSUPA Removal of procedural text for DPC Mode IE in Common E-DCH System Information Correction for Procedural Text on E-RNTI Allocation at E-DCH Serving Cell Change Indication of Precoding Weight Set Restriction preference Remove Cell Specific HARQ memory partitioning for DC HSDPA+MIMO Correction of E-DCH RACH Report Correction of common E-DCH mac-d flow for CCCH transmission

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ARIB STD-T63-25.435	9.1.0	9.0.0	R3	UTRAN lub interface user plane protocols for Common Transport Channel data streams	Clarification DCCH/DTCH transmission mechanism in enhanced CELL-PCH state Correction of the value range for RACH Measurement Result IE for 1.28Mcps TDD Corrections to the TS0 enhancement for the UE in CELL_FACH state for 1.28Mcps TDD
ARIB STD-T63-25.446	9.1.0	9.0.0	R3	MBMS synchronisation protocol(SYNC)	Clarification on Total counter frame Update Description for LTE MBMS Multiple Consecutive Packet Loss Small Corrections/Improvements for SYNC Corrections on Packet Number
ARIB STD-T63-25.453	9.1.0	9.0.0	R3	UTRAN lupc interface Positioning Calculation Application Part (PCAP) signalling	Correction to OTDOA in SAS-centric mode Addition of DGNSS Validity Period in PCAP
ARIB STD-T63-25.467	9.2.0	9.1.0	R3	UTRAN architecture for 3G Home NodeB; Stage 2	Clarification of HNB Definition Corrections on the non-CSG UEs registration and luh Disconnect Procedure Removal of incomplete material for intra-GW Handover Removal of FFS in Rel-9 stage 2 specification CSG expiry Handling PSC Split Clarification Clarifications on UE registration and mobility procedures
ARIB STD-T63-25.468	9.1.0	9.0.0	R3	UTRAN luh Interface RANAP User Adaption (RUA) signalling	Minor corrections for RUA
ARIB STD-T63-25.469	9.1.0	9.0.0	R3	UTRAN luh interface Home Node B Application Part (HNBAP) signalling	Minor corrections for HNBAP Extend ASRI for Release 9 Introduction of Support for CSG membership notification
ARIB STD-T63-26.102	9.1.0	9.0.0	S4	Mandatory speech codec; Adaptive Multi-Rate (AMR) speech codec; Interface to lu, Uu and Nb	Corrections and clarifications of Nb frames are done.

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ARIB STD-T63-26.114	9.2.0	9.1.0	S4	IP Multimedia Subsystem (IMS); Multimedia telephony; Media handling and interaction	H324M interworking procedures in decomposed MGCF and IM-MGW and MTSI Client Global Text Telephony negotiation procedures are done.
ARIB STD-T63-26.131	9.3.0	9.2.0	S4	Terminal acoustic characteristics for telephony; Requirements	Correction of distortion measurements are done.
ARIB STD-T63-26.132	9.2.0	9.1.0	S4	Speech and video telephony terminal acoustic test specification	Correction of distortion measurements are done.
ARIB STD-T63-26.150	9.1.0	9.0.0	S4	Syndicated Feed Reception (SFR) within 3GPP environments; Protocols and codecs	Editorial Corrections to SFR Specification are carried out.
ARIB STD-T63-26.234	9.2.0	9.1.0	S4	Transparent end-to-end Packet-switched Streaming Service (PSS); Protocols and codecs	QoE Reporting for HTTP Streaming, Corrections to Content Protection extensions, Removal of obsolete DRM extensions annex K, clarification about Main Profile and Updates to Adaptive HTTP Streaming are carried out.
ARIB STD-T63-26.237	9.2.0	9.1.0	S4	IMS based PSS and MBMS User Service; Protocols	Corrections to Inter UE Session Transfer are done.
ARIB STD-T63-26.244	9.1.0	9.0.0	S4	Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP)	File Format updates for HTTP Streaming is done.
ARIB STD-T63-26.346	9.2.0	9.1.0	S4	Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs	HTTP Streaming with MBMS is carried out.
ARIB STD-T63-26.430	9.0.0	1.0.0	S4	Timed graphics	Newly approved at TSG SA#47.

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ARIB STD-T63-27.007	9.3.0	9.2.0	C1	AT command set for 3G User Equipment (UE)	Correction of minor drafting rule issues for TS 27.007 Removal of [,<pd1>[,...[,pdN]]] in +CGDCONT Clarification of parameter type for +CCHO and +CCHC Incorrect indication of AT commands as parameter commands CGDEL – AT-command for deletion of non-active PDP contexts and associated parameters Incorrect name for test command version of +CGTFTDRDP Correction of the packet domain event reporting +CGEV The value range of <cid> for network initiated PDP contexts is clarified Addition of new AT-Command related to SSAC Correction of AT command for emergency bearer services Editorial cleanup by MCC
ARIB STD-T63-31.102	9.2.0	9.1.0	C6	Characteristics of the USIM Application	Correction to EF_ACSGL access condition Correction to informative Annex D Introduction of Indicator for Inhibition of Allowed CSG List Introduction of ICE (In Case of Emergency) graphics files
ARIB STD-T63-31.111	9.1.0	9.0.0	C6	USIM Application Toolkit (USAT)	Completion of implementation of CR 0227 (tag values) Correction of erroneous use of the "H(e)NB" term ETSI SCP references correction
ARIB STD-T63-31.121	9.1.0	9.0.0	C6	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	Editorial modifications about missing section numbers Introduction of Rel-9 applicability and applicability table corrections
ARIB STD-T63-31.124	9.1.0	9.0.0	C6	Mobile Equipment (ME) conformance test specification; Universal Subscriber Interface Module Application Toolkit (USAT) conformance test specification	Introduction of BIP tests for E-UTRAN Introduction of Network Rejection Event tests Introduction of Provide Local Information tests for E-UTRAN Introduction of Event Download – Location Status tests for E-UTRAN Introduction of Rel-9 test case applicability

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					Correction of typo error Dual Open Channel tests in TCP mode Open Channel tests for TCP mode and Default Bearer Correction of optional features table Correction of applicability for 'no alpha identifier presented' sequences Essential correction to the condition table
ARIB STD-T63-31.130	9.1.0	9.0.0	C6	(U)SIM Application Programming Interface (API); (U)SIM API for Java Card™	Addition of missing constant values Supporting operator controlled CSG list for H(e)NB Support of CSG cell discovery and CSG selection event
ARIB STD-T63-31.213	9.1.0	9.0.0	C6	Test specification for subscriber (U)SIM; Application Programming Interface (API) for Java Card™	References update and cleanup Addition of Rel-7 tests
ARIB STD-T63-31.220	9.1.0	9.0.0	C6	Characteristics of the Contact Manager for 3GPP UICC applications	Correction of wrong reference pointer and clarification
ARIB STD-T63-33.102	9.2.0	9.1.0	S3	3G security; Security architecture	Correct Kc to Kc' when derived from CK'CS K'CS Correction of Kc derivation for Kc128 capable SGSNs Define the bits from the KDF output, assigned to key Kc128 Correction of IRAT mobility before UMTS AKA is run
ARIB STD-T63-33.108	9.2.0	9.1.0	S3	3G security; Handover interface for Lawful Interception (LI)	EPSLocation ULI length correction Correction on RAI coding inside "old user location information" parameter
ARIB STD-T63-33.223	9.1.0	9.0.0	S3	Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) Push function	Correction of incorrect requirement for mandatory support of GBA Push for GBA aware MEs Correction of private identity exposure and delivery of GPI to USIM/ISIM
ARIB STD-T63-33.234	9.1.0	9.0.0	S3	3G security; Wireless Local Area Network (WLAN) interworking security	Use of EAP Request/AKA Identity message

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ARIB STD-T63-33.310	9.2.1	9.1.0	S3	Network domain security; Authentication framework (NDS/AF)	NDS enhancement to support backhaul security Alignment of TLS profile in NDS with TR-069 profile in H(e)NB Corrections of clause references in clause 9 and editorial corrections in Annex E.
ARIB STD-T63-33.320	9.1.0	9.0.0	S3	Security of Home Node B (HNB) / Home evolved Node B (HeNB)	Fixing incorrect wording in section 8.3.1. Fixing call-flow parameters in Annex A.2 Removing Editor's Note in section 8.4 Addition security features to device mutual authentication in 5.2 Correction on components involving absolute time in TR-069 profiling Editorial changes to section 4.4.4 Correction of ambiguity in 8.4, Protection of SW Download A complement to location verification for different types of location information The necessary complement to verifying node for location verification Editor's Notes resolution and correction clarifications Correction of potential security risks relating to non CSG UE registration Correction on mandatory confidentiality on backhaul link Clarification of OCSP procedures for section 7.2
ARIB STD-T63-33.401	9.3.1	9.2.0	S3	3GPP System Architecture Evolution (SAE); Security architecture	GPRS Kc128 handling Handling of SIM based EC handover to E-UTRAN Key derivations for unauthenticated Emergency call Clarification of SIM user handover from UTRAN to E-UTRAN Correction of text on terminal identities Clarification of Identification procedure in MME Handling of EPS NAS security context in state transitions Add the Replay protection implementation and Clarification of replay protection with integrity Clarification for NAS downlink COUNT handling in I-RAT

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					handover to UTRAN GPRS Kc handling Desynchronization of PS keys between the UE and the network in case of PS HO failure Correction of SRVCC failure Correction on mandatory implementation of IKE and IPsec for backhaul of eNBs Correction of Network Domain Control Plane protection Not resetting START to 0 in idle mode mobility (Rel-9). Certificate Enrolment use Correction of reference [27]
ARIB STD-T63-33.402	9.3.0	9.2.0	S3	3GPP System Architecture Evolution (SAE); Security aspects of non-3GPP accesses	Use of identities in EAP-AKA'
ARIB STD-T63-34.124	9.2.0	9.1.0	R4	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	Descriptions for "Band XX" are introduced.
ARIB STD-T63-36.101	9.3.0	9.2.0	R4	Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception	Corresponding changes in V8.9.0, corrections on "PDSCH performance tests for low UE categories", "Band 19 REFSENS", "Band 20 UE RF requirements", "A-MPR for Band 21", "LTE MBMS reference measurement channels" and "The definition of the Doppler shift for LTE MBSFN Channel Model" are made.
ARIB STD-T63-36.104	9.3.0	9.2.0	R4	Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception	Corresponding changes in V8.9.0, corrections on "Operating band unwanted emissions for Local Area BS", "Requirement for Pico NodeB", "DTT protection requirement", "Operating band unwanted emissions for Home BS", "Home BS operating band unwanted emission limits", "Additional spurious emissions and blocking requirements for HeNB", "Home BS Output Power for Adjacent Channel Protection", "Requirements for HARQ-ACK multiplexed on PUSCH for E-UTRA LA and Home BS", "CQI missed detection

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					requirements for PUCCH format 2 for E-UTRA LA and Home BS" and "The receiver intermodulation requirements" are made.
ARIB STD-T63-36.133	9.3.0	9.2.0	R4	Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for support of radio resource management	Corresponding changes in V8.9.0, corrections on "Enhanced GSM Requirements for CSFB", "Enhanced UTRA FDD Requirements for CSFB", "AOA and TA measurement report mappings", "Mapping of UE RxTx time difference measurement", "Home eNode B synchronization requirement" and "Minimum requirements on SI reading for HeNB inbound mobility" are made. "LTE in 800 MHz for Europe requirements" is introduced.
ARIB STD-T63-36.141	9.3.0	9.2.0	R4	Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing	Corresponding changes in V8.6.0, corrections on "Dynamic range requirement for Local Area BS", "In-channel selectivity for Local Area BS", "ACS and narrow band blocking for Local Area BS", "Receiver intermodulation for Local Area BS", "Performance requirement for Local Area BS", "E-UTRA BS classification", "Maximum output power for Pico NodeB", "Frequency error requirement for Pico NodeB", "Reference sensitivity level requirement for Pico NodeB", "ACLR requirement for Pico NodeB", "Operating band unwanted emissions requirement for Pico NodeB", "Spurious emissions requirement for Local Area BS", "Blocking requirement for Pico NodeB", "DTT protection requirement", "Operating band unwanted emissions requirement for Home eNodeB", "Dynamic range requirement for Home eNodeB", "Additional spurious emissions and blocking requirements for HeNB", "Home BS Output Power Conformance Testing for Adjacent Channel Protection", "Requirements for HARQ-ACK multiplexed on PUSCH for E-UTRA LA and Home BS", "CQI missed detection requirements for PUCCH format 2 for E-UTRA LA and Home BS" and "The receiver intermodulation requirements" are made.

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ARIB STD-T63-36.201	9.1.0	9.0.0	R1	Evolved Universal Terrestrial Radio Access (E-UTRA); LTE physical layer; General description	Introduce the description "Physical multicast channel related procedures" in section 5.5 to reflect the updating of 36.213.
ARIB STD-T63-36.211	9.1.0	9.0.0	R1	Evolved Universal Terrestrial Radio Access (E-UTRA); Physical channels and modulation	Clarify MBSFN subframe definition. Clarify the CP length of the OFDM symbols when transmitting positioning reference signals.
ARIB STD-T63-36.212	9.1.0	9.0.0	R1	Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding	Introduce MCCH change notification using DCI format 1C. Add missing reference to DCI format 2B.
ARIB STD-T63-36.213	9.1.0	9.0.1	R1	Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer procedures	Define the UE behavior when receiving notification of MCCH change. Clarify UE behavior when collision of antenna port 7/8 with PBCH or SCH happened and when distributed VRB is used with antenna port 7. Correction on PDSCH EPRE and UE-specific RS EPRE for Rel-9 enhanced DL transmissions.
ARIB STD-T63-36.214	9.1.0	9.0.0	R1	Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer - Measurements	Idle, URA_PCH inter-RAT, and CELL_PCH inter-RAT are added to E-UTRA RSRQ applicability.
ARIB STD-T63-36.300	9.3.0	9.2.0	R2	Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRAN); Overall description; Stage 2	Correction regarding support of multiple MBSFN areas Correction to MBMS terminology Corrections on eNB muting MBSFN transmission Corrections on MBMS HeNB inbound mobility agreements Remove FFSS from RAN2 specifications SIM based access for Emergency calls in LTE RA for Positioning Corrections on MBMS Stage 2 update for Full Configuration Handover for handling earlier eNB releases Handling Ksme mismatch for IMS Emergency calls Correction to MTU endpoint Stage 2 correction of Load Reporting for MLB Allowed Range in Negotiation Clarification of definitions of HO failure cases

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
					Clarification on the usage of the mechanism to transfer IRAT MLB information MBMS Session Update in M3AP stage 2 Correction on radio bearer configuration Correction to the MSAP occasion implied by SYNC timestamp MCCH related BCCH content MCCH update synchronization MBMS Session Update in M2AP stage 2 MBMS User Data flow synchronisation Packet dropping SYNC sequence duration configuration in MCE Adding the description of simultaneously change of SIB13 and MCCH Addition u-plane protocol stack for M1 Queue concurrent NAS messages if necessary for in seq delivery Support of X2 Inter-PLMN HO Clarifications on CSG process definition and mobility procedures Corrections of HeNB CSG expiry Handling eNB/MME Status Transfer procedure SPID implementation guidelines Handling of handover restriction for emergency call Some corrections for HeNB
ARIB STD-T63-36.302	9.1.0	9.0.0	R2	Evolved Universal Terrestrial Radio Access (E-UTRA); Services provided by the physical layer	Correction to RSRP and RSRQ definition with Receiver Diversity to align with TS 36.214
ARIB STD-T63-36.304	9.2.0	9.1.0	R2	Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) procedures in idle mode	Clarification on RRC connection re-establishment for emergency calls Correction on reselection from non-CSG cell to CSG inter-RAT cell Miscellaneous correction on 36.304 Proposed CR to 36.304 on Addition of missing abbreviations related with MBMS

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
					Cell reselection enhancements CR for 36.304
ARIB STD-T63-36.305	9.2.0	9.1.0	R2	Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Stage 2 functional specification of User Equipment (UE) positioning in E-UTRAN	Clarification on E-CID parameters Clarification on positioning procedure Stage 2 updates to align with stage 3 Updates to LPP material in stage 2 Updates to LPPa material in stage 2 clarification on routing id Clarification of information transfer for OTDOA Add LPP procedures to align with 36.355 Clarification on Error Case Handling Transfer of LPPa PDUs over S1
ARIB STD-T63-36.306	9.1.0	9.0.0	R2	Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities	Optionality of Rel-9 UE features Introduction of power-limited device indication in UE capability. UE capability for enhanced 1xRTT CS fallback Bounds to RoHC requirements for IMS capable UEs supporting voice Redirection enhancements to UTRAN Redirection enhancements to GERAN
ARIB STD-T63-36.321	9.2.0	9.1.0	R2	Evolved Universal Terrestrial Radio Access (E-UTRA); Medium Access Control (MAC) protocol specification	Correction to MBMS scheduling terminology Corrections to TS 36.321 on MBMS Error handling for MBMS PDU Renaming CR as consequence of ASN.1 review
ARIB STD-T63-36.322	9.1.0	9.0.0	R2	Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Link Control (RLC) protocol specification	Correction to RLC entity
ARIB STD-T63-36.331	9.2.0	9.1.0	R2	Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification	Clarification of CGI reporting Clarification on MCCH change notification Clarification on measurement for serving cell only Clarification on proximity indication configuraiton in handover to E-UTRA

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
					Clarification on radio resource configuration in handover to E-UTRA procedure Clarification on UE maximum transmission power Correction to field descriptions of UE-EUTRA-Capability Correction to MBMS scheduling terminology Corrections to SIB8 Unifying SI reading for ANR and inbound mobility 1xRTT pre-registration information in SIB8 corrections for MBMS CSG identity reporting Optionality of Rel-9 UE features Service Specific Acces Control (SSAC) Introduction of power-limited device indication in UE capability. Missing agreement in MCCH change notification. Corrections related to MCCH change notification and value ranges Prohibit timer for proximity indication Proximity Indication after handover and re-establishment Specifying the exact mapping of notificationIndicator in SIB13 to PDCCH bits Corrections out of ASN.1 review scope clarification of system information change Measurement Result CDMA2000 Cell Correction on the range of UE Rx-Tx time difference measurement result Small clarifications regarding MBMS Introduction of REL-9 indication within field accessStratumRelease Extending mobility description to cover inbound mobility Clarification regarding enhanced CSFB to 1XRTT Handling of dedicated RLF timers Clarification on UE's behavior of receiving MBMS service MBMS Service ID and Session ID Inclusion of non-MBSFN region length in SIB13 e1xCSFB access class barring parameters in SIB8 Multiple 1xRTT/HRPD target cells in

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
					MobilityFromEUTRACommand Independent support indicators for Dual-Rx CSFB and S102 in SIB8 Clarification on DRX StartOffset for TDD Miscellaneous corrections from REL-9 ASN.1 review Need codes and missing conventions Introduction of Full Configuration Handover for handling earlier eNB releases Clarification to SFN reference in RRC RSRP and RSRQ based Thresholds Redirection enhancements to GERAN Cell reselection enhancements CR for 36.331 UE-originated RLFreporting for MRO SON use case Redirection enhancements to UTRAN Proximity status indication handling at mobility Upper layer aspect of MBSFN area id Redirection for enhanced 1xRTT CS fallback with concurrent PSHO Avoiding interleaving transmission of CMAS notifications Introduction of UE GERAN DTM capability indicator Introducing provisions for late ASN.1 corrections Correction/ alignment of REL-9 UE capability signalling
ARIB STD-T63-36.355	9.1.0	9.0.0	R2	Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol (LPP)	Clarification on Position location Clarification on UE Rx-Tx time difference supporting capability Completion of LPP common material Completion of OTDOA in LPP Provision of Frame Drift Information in Network Time Clarification of measurement reference point GNSS-DifferentialCorrectionsSupport BSAIalign Indication in GNSS Reference Time Changes to reflect LPP ASN.1 review Introduction of LPP reliability sublayer LPP error procedures and conditions Triggered Location Information Transfer due to Cell Change

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
ARIB STD-T63-36.401	9.1.0	9.0.0	R3	Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Architecture description	Support of time and frequency synchronization for HeNB
ARIB STD-T63-36.412	9.1.0	9.0.0	R3	Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 signalling transport	Specification of Payload Identifier
ARIB STD-T63-36.413	9.2.0	9.1.0	R3	Evolved Universal Terrestrial Radio Access (E-UTRA) ; S1 Application Protocol (S1AP)	Correction of CSG Cell and Hybrid Cell Definition NCC Initialization in eNB at the Initial Connection Setup Inter RAT Mobility Load Balance on S1 Correction in DOWNLIN S1 CDMA2000 TUNNELING Procedure CSG expiry Handling CMAS and ETWS action if Number of Broadcasts Requested IE set to 0 Description of Transparent Container Encoding Rapporteur's update for S1AP protocol Removing the restriction for Primary Notification CDMA2000 1xRTT RAND format Handling of the CDMA2000 RAT and Sector ID Handling of CSG ID check failure in LTE hybrid cells Transfer Encoding of LPPa PDUs over S1 Correction of connection establishment Correction of S1 Release Creation of annex for SON Transfer and Cell Load Reporting RIM application. Support of time and frequency synchronization using network listening ToC updated Corrupted headers and ASN.1 fixed
ARIB STD-T63-36.422	9.1.0	9.0.0	R3	Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 signalling transport	Specification of Payload Identifier

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
ARIB STD-T63-36.423	9.2.0	9.1.0	R3	Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 Application Protocol (X2AP)	Correction to the Resource Status Reporting Initiation procedure Addition of MBSFN information on X2 interface Cell pair identification for Mobility Settings Change procedure Addition of cause value for not admitted E-RAB Rapporteur's update of X2AP protocol RNL-based energy saving solution Inclusion of UE RLF Report in RLF INDICATION message
ARIB STD-T63-36.440	9.1.0	9.0.0	R3	Evolved Universal Terrestrial Radio Access Network (E-UTRAN); General aspects and principles for interfaces supporting Multimedia Broadcast Multicast Service (MBMS) within E-UTRAN	Incorrect reference for SYNC spec
ARIB STD-T63-36.442	9.1.0	9.0.0	R3	Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Signalling Transport for interfaces supporting Multimedia Broadcast Multicast Service (MBMS) within E-UTRAN	Editorial corrections
ARIB STD-T63-36.443	9.1.0	9.0.0	R3	Evolved Universal Terrestrial Radio Access Network (E-UTRAN); M2 Application Protocol (M2AP)	Some minor description corrections for M2AP Removal of QoS information in MBMS Session Start message Clarification of MCCH Update Time Correct the descripton of Error Indication and misspelt of BIT STRING Some corrections to TS36.443 MBSFN subframe configuration MBSFN Area Configuration Miscellaneous corrections to TS36.443 Optional MBMS Session ID Remove the MBMS Session Duration IE from the MBMS Session Start Request message Misc corrections

Revised Standard Number	Version at ARIB STD-T63 Ver.8.10	Version at ARIB STD-T63 Ver.8.00	3GPP WG	Title	Change Summary
					Introduction of MBMS Session Update in M2AP Rapporteur's update for M2AP protocol
ARIB STD-T63-36.444	9.1.0	9.0.0	R3	Evolved Universal Terrestrial Radio Access Network (E-UTRAN); M3 Application Protocol (M3AP)	Corrections to TS36.444 Miscellaneous corrections to TS 36.444 Misc corrections Introduction of MBMS Session Update in M3AP Editorial Correction on TS 36.444 No support for E-RAB Pre-emption
ARIB STD-T63-36.445	9.1.0	9.0.0	R3	Evolved Universal Terrestrial Radio Access Network (E-UTRAN); M1 Data Transport	Clean up of unicast related text
ARIB STD-T63-36.455	9.1.0	9.0.0	R3	Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol A (LPPa)	Inclusion of Geographical Area and E-UTRAN Access Point Position information Introduction of new cause values in LPPa Introduction of EARFCN information in E-CID measurement results over LPPa Rapporteur's update of LPPa protocol

(Annex 39)

3GPP ARIB Change history List of Technical Report Ver. 8.10

15 July 2010

1. Release 99

1.1. Added Technical Report

None

1.2. Revised Technical Report

None

2. Release 4

2.1. Added Technical Report

None

2.2. Revised technical Report

None

3. Release 5

3.1. Added Technical Report

None

3.2. Revised Technical Report

None

4. Release 6

4.1. Added Technical Report

None

4.2. Revised Technical Report

None

5. Release 7

5.1. Added Technical Report

None

5. 2. Revised Technical Report

None

6. Release 8

6.1. Added Technical Report

None

6. 2. Revised Technical Report

Revised Technical Report Number	Version at ARIB TR-T12 Ver.8.10	Version at ARIB TR-T12 Ver.8.00	3GPP WG	Title	Change Summary
ARIB TR-T12-21.900	8.4.0	8.3.0	SP	Technical Specification Group working methods	Eliminate contents of Rel-8 and substitute with pointer to Rel-9
ARIB TR-T12-25.993	8.5.0	8.4.0	R2	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	Rapporteur CR for corrections to 25.993

7. Release 9

7.1. Added Technical Report

Added Standard Number	Version at ARIB STD-T12 Ver.8.10		3GPP WG	Title	New Document Summary
ARIB TR-T12-26.903	9.0.0		S4	Improved video support for Packet Switched Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) Services	Newly approved at TSG SA#47.

7. 2. Revised Technical Report

Revised Technical Report Number	Version at ARIB TR-T12 Ver.8.10	Version at ARIB TR-T12 Ver.8.00	3GPP WG	Title	Change Summary
ARIB TR-T12-25.993	9.1.0	9.0.0	R2	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	Rapporteur CR for corrections to 25.993

Revised Technical Report Number	Version at ARIB TR-T12 Ver.8.10	Version at ARIB TR-T12 Ver.8.00	3GPP WG	Title	Change Summary
ARIB-TR-T12-33.924	9.1.0	9.0.0	S3	Identity management and 3GPP security interworking; Identity management and Generic Authentication Architecture (GAA) interworking	Coding clarification of Annex Clarification of USS description in OpenID - GAA nterworking Adding missing step for OpenID Authentication Correction of reference Restructuring and corrections to split terminal case Correction of split terminal clause structure Clarification of HTTPS usage in NAF and OpenIdP colocation
ARIB-TR-T12-33.937	9.1.0	9.0.0	S3	Study of Mechanisms for Protection against Unsolicited Communication for IMS (PUCI)	Resolution of Editor's note in clause 6.1 on TISPAN requirements Resolution of Editor's note in clause 6.2 on UC indication and intermediary network entities Commercial Measures & additional Technical Measures to Protect against Bulk UC Clarifications regarding contextual informaiton PUCI Removal of further work statements, editorials Conclusions to the PUCI TR Updating Measures against Mobile Phone Virus and Reference
ARIB-TR-T12-36.902	9.1.0	9.0.0	R3	Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Self-configuring and self-optimizing network (SON) use cases and solutions	Finalization of Solution Description sub clause for MLB

Revised Technical Report Number	Version at ARIB TR-T12 Ver.8.10	Version at ARIB TR-T12 Ver.8.00	3GPP WG	Title	Change Summary
ARIB-TR-T12-36.912	9.2.0	9.1.0	R1	Feasibility study for Further Advancements for E-UTRA (LTE-Advanced)	Conclusion of TR36.912 Type 1 Relay definition Performance evaluation of LTE-A technologies against 3GPP targets U-Plane interruption for TDD RIT

IMT-2000 MC-CDMA System 標準規格及び技術資料の改定の概要

1 概要

IMT-2000 MC-CDMA System に関する標準規格 ARIB STD-T64 及び技術資料 ARIB TR-T13 については、第 76 回規格会議（2010 年 4 月 26 日）において Ver.5.10 に改定したところであるが、今回、主に 2010 年 1 月に 3GPP2 が制定した仕様及び技術資料を踏まえ、所要の改定を行ない Ver.5.20 とするものである。

2 改定内容

2.1 STD-T64 の主な改定点（別紙 1 参照）

(1) 新規規格の追加

- ① OTA 端末プロビジョニング仕様（1 件）
- ② IC カード仕様（2 件）
- ③ 音声コーデック仕様（3 件）

(2) 既存規格の改定

- ① 音声コーデック仕様（1 件）
- ② 位置測位サービス仕様（1 件）
- ③ E-UTRAN - HRPD システム間インタワーク・無線インタフェース仕様（1 件）

2.2 ARIB TR-T13 の改定点（別紙 1 参照）

技術資料 ARIB TR-T13 については、新規規格の追加や既存規格の改定はないが、ARIB STD-T64 のバージョンアップにあわせてバージョンを Ver.5.10 から Ver.5.20 に改定するものである。

3 電波法関連規則に関する事項の確認について

今回追加する標準規格について、電波法及びその関連規則等との関係を調査した結果、問題のないことを確認している。

本標準規格案は、高度無線通信研究委員会の IMT Partnership 部会配下にある 3GPP2 対応 WG（主査：山崎 徳和）において原案を策定した。

以 上

ARIB STD-T64(Ver.5.10 から Ver.5.20)の改定点

(1) 新規規格の追加

番号	規格名称	表題	内容
1	ARIB STD-T64-C.S0016-D v1.0	Over-the-Air Service Provisioning of Mobile Stations in Spread Spectrum Standards	OTA 端末プロビジョニング仕様にマルチモード(3GPP2~non-3GPP2 システム間)システムセレクション機能を追加。
2	ARIB STD-T64-C.S0018-D v1.0	Minimum Performance Specification for the Enhanced Variable Rate Codec, Speech Service Options 3, 68, 70, and 73 for Wideband Spread Spectrum Digital Systems	EVRC 音声コーデック・パフォーマンス試験仕様に間欠送受信機能の試験仕様を追加。
3	ARIB STD-T64-C.S0065-B v1.0	cdma2000 Application on UICC for Spread Spectrum Systems	IC カードプラットフォームアプリケーション仕様にマルチモードシステムセレクション機能を追加。
4	ARIB STD-T64-C.S0074-A v1.0	UICC-Terminal interface Physical and Logical Characteristics for cdma2000 Spread Spectrum Systems	IC カードプラットフォーム物理仕様にマルチモードシステムセレクション機能を追加。
5	ARIB STD-T64-C.R0014-D v1.0	Software Distribution for Enhanced Variable Rate Codec (EVRC), Speech Service Options 3, 68, 70, and 73, Specification	EVRC 音声コーデック(C.S0014-D)のソースコード。
6	ARIB STD-T64-C.R0018-D v1.0	Software Distribution for Enhanced Variable Rate Codec (EVRC), Speech Service Options 3, 68, 70, and 73, Minimum Performance Specification (MPS)	EVRC 音声コーデック・パフォーマンス試験(C.S0018-D)のソースコード。

(2) 既存規格の改定

番号	規格名称	表題	内容
1	ARIB STD-T64-C.S0014-D v2.0	Enhanced Variable Rate Codec, Speech Service Options 3, 68, 70, and 73 for Wideband Spread Spectrum Digital Systems	EVRC 音声コーデック仕様のバグフィックス対応。
2	ARIB STD-T64-C.S0036-0 v2.0	Recommended Minimum Performance Specification for Mobile Stations with Position Service	位置測位サービス・パフォーマンス試験仕様のバグフィックス対応。
3	ARIB STD-T64-C.S0087-0 v2.0	E-UTRAN - cdma2000 HRPD Connectivity and Inter-working Air Interface	E-UTRAN – HRPD システム間インタワーク・無線インタフェース仕様に HRPD Rev.B 対応仕様を追加。

ARIB TR-T13(Ver.5.10 から Ver.5.20)の改定点

(1) 新規規格の追加

なし

(2) 既存規格の改定

なし

広帯域移動アクセスシステム（CSMA）標準規格の改定の概要

(5.0 版から 5.1 版への改定)

1 概要

本標準規格 ARIB STD-T71 は、電波法施行規則第 6 条第 4 項第 8 号に規定されている 5GHz 帯無線アクセスシステム及び同規則第 6 条第 4 項第 4 号に規定されている小電力データ通信システムを用いた無線アクセス通信を行う無線局のうち、多元接続方式として IEEE 802.11, 1999 に基づく CSMA/CA(Carrier Sense Multiple Access with Collision Avoidance)技術を用いた無線局の無線設備について規定したものである。

今回の改定は、本標準規格の参考資料 1（漏洩同軸ケーブルに関する解説書）にてアンテナとしての漏洩同軸ケーブルの適用をこれまで屋内小電力データ通信システムへの適用に限っていたが、利用シーンの拡大のために 5GHz 無線アクセスにも適用するための設計指針を含めた解説を追加するものである。

なお、IEEE802.11n 規格については最終仕様の確定が 2009 年 10 月になされたことから、参照文献を IEEE 802.11n™-2009 に変更するとともに、参照告示等の誤記訂正を行うものである。

詳細は、規格会 77-11 の改定履歴の改定部分を参照のこと。

2 標準規格改定案の審議方法

本標準規格については、最初の標準規格原案をマルチメディア移動アクセスフォーラムの 802.11 ワーキンググループが作成し、その後の維持改定の原稿も同ワーキンググループが行うこととされており、本改定原案についても同ワーキンググループにて作成した。

デジタル簡易無線局の無線設備標準規格の改定の概要

(1.1 版から 1.2 版への改定)

1 概要

本標準規格 ARIB STD-T98 は、電波法施行規則第 4 条第 1 項第 25 号に規定される簡易な無線通信業務を行う無線局のうち、無線設備規則第 54 条第 2 号に規定される 400MHz 帯のチャンネル間隔が 6.25kHz の簡易無線局の無線設備について規定したものである。

今回の改定は、第 3 編 四値周波数偏位変調の秘話スクランブルと関係する音声符号化方式の記述における誤記訂正と説明の明確化を行うものである。

詳細は、規格会 77-12 の改定履歴の改定部分を参照のこと。

2 標準規格改定案の審議方法

本標準規格については、最初の標準規格原案を(社)全国陸上無線協会の技術部会 D C R 作業班が作成し、その後の維持改定の原案も同作業班が行うこととされており、本改定原案についても同作業班にて作成した。

狭域通信(DSRC)アプリケーションサブレイヤ陸上移動局の接続性確認に係る
試験項目・試験条件技術資料の改定の概要
(ARIB TR-T17 2.1 版から 2.2 版への改定)

1 改定の概要

- (1) 本件は、平成 19 年 12 月 12 日に改定した狭域通信(DSRC)アプリケーションサブレイヤ標準規格 ARIB STD-T88 改定第 1.1 版に関し、その後実施された各種の実証実験結果を踏まえ当該標準規格の技術資料である ARIB TR-T17 2.1 版を見直し、改定するものである。
- (2) その他、内容の見直し及び明確化のための変更、追記。

2 主な変更内容(詳細は、2.2 版(案)改定履歴の改定部分を参照のこと)

(1)に関連する事項

- ア 誤り検査機能追加に伴う、試験データ長の変更。
- イ バージョン情報を更新したことに伴う、基地局及び移動局のバージョン情報の 0 → 1 への変更。
- ウ 試験パラメータの確定による、暫定値から確定値への変更。

(2)に関連する事項

- ア 製品の出荷状況に合わせた、一部通信プロファイルのテスト項目への追加。
- イ グループ同報リンクアドレス値の使用の明確化。

3 本技術資料改定(案)の審議方法

本技術資料については、最初の技術資料原案を ITS 情報通信システム推進会議が作成し、その後の維持改定の原案も同会議が行うこととされており、本技術資料改定原案は同会議企画部会の DSRC 規格ワーキンググループが作成した。

デジタル放送用受信装置標準規格（望ましい仕様）の改定の概要
（ARIB STD-B21 4.9 版から 5.0 版）

1 改定の背景

HDMI ケーブルを経由した Ethernet 互換の通信を可能とする HDMI Ethernet Channel が HDMI Version1.4 で規格化されたことを受けて、STD-B21 で規定される IP インタフェースの物理インタフェース仕様に HDMI Ethernet Channel を追加した。HDMI Ethernet Channel 機能を搭載した HDMI ケーブルを利用すると、従来の各デジタル機器毎に独自にネットワーク接続していた形態から、ひとつのデジタル機器がネットワークハブとなり接続する形態となり接続がシンプル化されるメリットがある。

2 検討体制

デジタル放送システム開発部会	委員長： 藤田 欣裕／日本放送協会
└ デジタル受信機作業班	主 任： 関 祥行／フジテレビジョン
└ デジタルインタフェース TG	リーダ： 國平 宰司／パナソニック

3 改定内容

現行 ARIB STD-B21 4.9 版に対する、改定の概要及び主な変更点は以下のとおりです。

No.	改定の概要と主な変更内容
1	改定の概要
	(1) IP インタフェースの物理インタフェース仕様に HDMI Ethernet Channel を追加
2	主な変更内容
(1) 関 連	第 9 章 9.2.1.1 物理インタフェース仕様 ・物理インタフェース仕様の一つとして(3)HDMI Ethernet Channel 規定を追加した。

（詳細は規格会 77-14 の改定履歴表を参照のこと。）

地上デジタルテレビジョン放送の伝送方式標準規格の改定の概要
(STD-B31 1.8 版から 1.9 版)

1 改定の背景

- (1) 平成 22 年 4 月 27 日発行の官報（第 5302 号）に記載の総務省告示第百七十九号に基づき、地震動警報詳細情報の地域の注に関わる名称を変更する。
- (2) 平成 19 年 5 月 9 日発行の官報（第 4578 号）に記載の総務省告示第二百七十九号、および平成 20 年 5 月 30 日発行の官報（号外第 113 号）に記載の総務省告示第三百二十七号に基づき、極微小電力でテレビジョン放送（デジタル放送）を行う放送局の周波数の許容偏差を標準規格に追記する。

2 検討体制

デジタル放送システム開発部会	委員長：藤田 欣裕／日本放送協会
└ 地上デジタル放送伝送路符号化作業班	主 任：高田 政幸／日本放送協会
└ デジタル受信機作業班 ((1)のリエゾン)	主 任：関 祥行／フジテレビジョン
└ 緊急情報伝送 TG ((1)のリエゾン)	リーダー：高田 政幸／日本放送協会

3 改定内容

現行 ARIB STD-B31 1.8 版に対する、改定の概要及び主な変更点は以下のとおりです。なお、いずれも、総務省の告示改正に伴う改定です。

No.	改定の概要と主な変更内容
1	改定の概要
	(1) AC で伝送する地震動警報の対象地域について、告示改正の内容に基づき修正する。 (2) 送信周波数の許容偏差について、告示改正の内容を追加する。
2	主な変更内容
(1) 関 連	第 3 章 3.16.6.5 地震動警報詳細情報について ・ 3.16.6.5.1(1)の注に記載の支庁名称を変更した。 (理由) 北海道の支庁再編により、支庁が振興局等と名称変更され、地震動警報に関わる告示が改正されたため。
(2) 関 連	第 4 章 4.2 送信周波数の許容偏差について ・ 注 2 にウとして、空中線電力が 0.05W 以下のものは、20kHz とすることを追加した。 (理由) 極微小電力の許容偏差については、すでに告示に規定されており、ARIB 標準規格として、省令のみならず告示の内容を含めた、より明確な内容とするため追加修正した。

(詳細は規格会 7 7 - 1 5 の改定履歴表を参照のこと。)

地上デジタルテレビジョン放送運用規定技術資料の改定の概要 (4.1 版から 4.2 版)

1 改定の背景

- (1) 米国政府が使用する暗号アルゴリズムを決めている NIST（米国標準技術研究所）が、2010 年末までにより安全性の高い暗号アルゴリズムに移行する方針を出したことから、このセキュリティレベルの高度化に対応すべく双方向通信運用規定の改定を行う。（いわゆる、「暗号の 2010 年問題」に対する対応）
- (2) TR で参照している社団法人電子情報技術産業協会（JEITA）発行文書の名称変更等を反映する。

2 検討体制

社団法人デジタル放送推進協会 技術委員会 規格検討会議

3 改定内容

現行 ARIB TR-B14 4.1 版に対する、改定の概要及び主な変更内容は以下のとおりです。

第六編 地上デジタルテレビジョン放送 双方向通信運用規定

No.	改定の概要と主な変更内容
1	改定の概要
	(1) 双方向サービスのセキュリティレベル高度化のための情報の追記 (2) 誤記修正
2	主な変更内容
(1) 関連	8.2.4 項「受信機が実装するセキュリティ関連機能の情報」 ・ 本項のタイトルを変更し、本項を(1)と(2)に分割する構成に変更 ・ (2)に、RSA 公開鍵の望ましい鍵長について追記 付録 1「セキュリティに関する補足説明」 ・ 1.1.7 項「セキュリティ拡張性」を削除 ・ 1.2 項「セキュリティレベルの高度化について」を新たに追加し、セキュリティレベルの高度化についての情報を追記
(2) 関連	8.2.4 項「受信機が実装するセキュリティ関連機能の情報」 ・ 「証明書発行機関」の表記を修正 ・ 「商品企画」の表記を修正

（詳細は規格会 7 7 - 1 6 の改定履歴表を参照のこと。）

第八編 地上デジタルテレビジョン放送 コンテンツ保護規定

No.	改定の概要と主な変更内容
1	改定の概要
	(1) 第八編から参照している外部文書の名称変更、および、章タイトルの変更に伴う修正
2	主な変更内容
(1) 関連	第一部 7.9 節「無線 LAN のセキュリティについて」 ・ 参照している JEITA 発行文書の改訂が行われ、文書名称、および、参照先の章のタイトルが変更されたのに伴い、参照元の記載を修正

（詳細は規格会 7 7 - 1 6 の改定履歴表を参照のこと。）

B S / 広帯域 C S デジタル放送運用規定技術資料の改定の概要

(ARIB TR-B15 4.9 版から 5.0 版)

1 改定の背景

- (1) 米国政府が使用する暗号アルゴリズムを決めている NIST(米国標準技術研究所)が、2010 年までにより安全性の高い暗号アルゴリズムに移行する方針を出したことから、このセキュリティの高度化に対応すべく双方向通信運用規定の改定を行う。(いわゆる、「暗号の 2010 問題」に対する対応)
- (2) TR で参照している社団法人電子情報技術産業協会 (JEITA) 発行文書の名称変更等を反映する。
- (3) 広帯域 CS デジタル放送事業者に割り当てられている CA 代替メッセージ番号の一部返上に伴う改定を行う。

2 検討体制

社団法人デジタル放送推進協会 BS 技術専門委員会

3 改定内容

現行 ARIB TR-B15 4.9 版に対する、改定の概要及び主な変更点は以下のとおりです。

第一部 B S デジタル放送運用規定

第六編 双方向通信運用規定 (第三分冊)

No.	改定の概要と主な変更内容
1	改定の概要
	(1) 双方向サービスのセキュリティレベル高度化のための情報の追記及び附録について、いずれも TR-B14 の該当箇所を参照
2	主な変更内容
(1)	附録 1 TR-B14 第六編 付録 1.1 セキュリティ機能、1.2 セキュリティレベルの高度化を参照。 附録 2 TR-B14 第六編 付録 2 課金方法に関する参考情報を参照。 附録 3 TR-B14 第六編 付録 3 輻輳に関する補足説明を参照。 附録 4 TR-B14 第六編 付録 4 ネットワークサービスに関する補足説明を参照。 附録 5 タイトルから(情報)を削除し、TR-B14 第六編 付録 5 固定優先接続解除番号(122)の送出方法と接続条件を参照。

(詳細は規格会 7 7 - 1 7 の改定履歴表を参照のこと。)

第八編 コンテンツ保護規定（第三分冊）

No.	改定の概要と主な変更内容
1	改定の概要
	(1)8.10 項「無線 LAN セキュリティについて」について、参照先の JEITA「無線 LAN のセキュリティに関するガイドライン」の名称変更に伴い改定を行う。
2	主な変更内容
(1)	8.10 無線 LAN セキュリティについて 旧：「無線 LAN のセキュリティに関するガイドライン」 新：「無線 LAN のセキュリティに関する注意事項」

（詳細は規格会 7 7 - 1 7 の改定履歴表を参照のこと。）

第二部 広帯域CSデジタル放送運用規定およびBS・広帯域CS共用デジタル受信機機能仕様

第五編 限定受信方式（CAS）運用規定および受信機仕様（第四分冊）

No.	改定の概要と主な変更内容
1	改定の概要
	(1)CA 代替メッセージ番号の削除
2	主な変更内容
(1)	広帯域 CS デジタル放送における CA 代替メッセージ番号のうち、当該事業者の申し出により、現在使用していない番号（0 x 03～0 x 06）を返上し空番とする。

（詳細は規格会 7 7 - 1 7 の改定履歴表を参照のこと。）

第六編 双方向通信運用規定（第四分冊）

No.	改定の概要と主な変更内容
1	改定の概要
	(1)第一部との表現統一
2	主な変更内容
(1)	第一部の附録 5 に表現をあわせ、タイトルから（情報）を削除

（詳細は規格会 7 7 - 1 7 の改定履歴表を参照のこと。）

放送チェーンにおける映像・音声信号の障害監視のためのメタデータ
技術資料の改定の概要
(ARIB TR-B29 1.0 版から 1.1 版)

1 改定の背景

ARIB TR-B29 に基づく ITU-R 勧告の作成を ITU に提案していたところ、2010 年 3 月、勧告 ITU-R BT.1865 (「放送チェーンにおける SDTV 及び HDTV のエラー監視のためのメタデータ」) として承認された。

なお、勧告案作成の過程で、メタデータの種別を識別するフィールドが追加されたため、この勧告と TR-B29 との整合性をとるため、TR-B29 を一部変更するものである。

2 検討体制

品質評価法調査研究会

委員長： 中須 英輔／日本放送協会

モニタリング評価法作業班

主 任： 西田 幸博／日本放送協会

3 改定内容

現行 ARIB TR-B29 1.0 版に対する、改定の概要及び主な変更点は以下のとおりです。

No.	改定の概要と主な変更内容
1	改定の概要
	(1) 準拠文書の追加 (2) メタデータの構造の変更
2	主な変更内容
(1) 関連	勧告 ITU-R BT.1865 「放送チェーンにおける SDTV 及び HDTV のエラー監視のためのメタデータ」を準拠文書に追加した。
(2) 関連	メタデータの種別を識別する <code>metadata_type</code> を追加すると共に、明確化のための説明を追加した。

(詳細は、規格会 77-18 の改定履歴表を参照のこと)