

Title: Progress of the compatibility check between BT and Japanese Codecs

Source: BT, NTT and NEC

## 1. Introduction

This document reports the progress of the compatibility check being performed at BTRL where the BT codec and one of Japanese codecs are connected back to back. The experiments are still under progress. However, compatibility of some items has been confirmed. Wideband audio coding is compatible and video coding is also compatible except for a few functions. VCR demonstration is presented. During the meeting any further progress will be reported.

## 2. Progress of the compatibility check

The following functions have been confirmed that they are compatible between the two codecs.

- (1) 56 kbit/s wide band audio coding
- (2) Interframe prediction
- (3) Intraframe processing
- (4) One-dimensional variable length coding of transform coefficients
- (5) Video multiplexing and demultiplexing
- (6) CIF as video signal format
- (7) Buffer control (Note 1)
- (8) Color rendition (Note 2)
- (9) Quantizer
- (10) DCT
- (11) Loop filter

Note 1: Only BT-to-NTT connection is confirmed at the moment.

Note 2: This was confirmed after amendment of Japanese codec.

The following functions are still <sup>to be</sup> checked.

- (1) Motion compensation
- (2) Adaptive scanning for interframe processing
- (3) Frame structure (FAS)
- (4) Buffer control

## 3. Plan for further experiments

The compatibility check will continue during the meeting. The buffer control, motion compensation and adaptive scanning will be expected to be reported that they are compatible. Experiment of two dimensional variable length coding and picture quality improvement by parameter optimization shall be also performed.