Path selection for handover through RS

IEEE 802.16 Presentation Submission Template (Rev. 8.3)

Document Number:

IEEE S802.16j-06/276

Date Submitted:

2006-11-14

Source:

Kenji Saito, Takashi Inoue Voice: +81 46 847 6347 KDDI R&D Laboratories Inc. Fax: +81 46 847 0947 Hikarino-oka 7-1, Yokosuka, Kanagawa 239-0847 E-mail: saito@kddilabs.jp

Japan

Venue:

IEEE 802.16 Session #46, Dallas, TX, USA

Base Document:

IEEE C802.16j-06/276

Purpose:

Discuss and adapt proposed text and message format.

Notice:

This document has been prepared to assist IEEE 802.16. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

Release:

The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE's sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.16.

IEEE 802.16 Patent Policy:

The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures http://ieee802.org/16/ipr/patents/policy.html, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair mailto:chair@wirelessman.org as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.16 Working Group. The Chair will disclose this notification via the IEEE 802.16 web site http://ieee802.org/16/ipr/patents/notices.

Path selection for handover through RS

Main features

- ✓ RSID shall be included in REG-REQ message in the registration process of RS in order to create/update the routing table.
- ✓BS needs to have a routing table of relay link based on tree network topology.
- ✓ The routing table shall be used for selection of path which can support QoS requirements in HO process.

Path selection for handover through RS

Intra-cell HO procedure (Centralized scheduling case)

