Clarification of Some Terminologies for 802.16j

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Venue:

IEEE 802.16 Session #44, San Diego, USA

Base Document: C80216j-06_041:"Harmonized definitions and terminology for Mobile Multihop Relay"

Purpose:

To further clarify some terminologies associated with 802.16j

Some Terminologies for IEEE 802.16j

- **Cell:** The radio coverage area of a particular access station (e.g. BS, MMR-BS, or RS). .

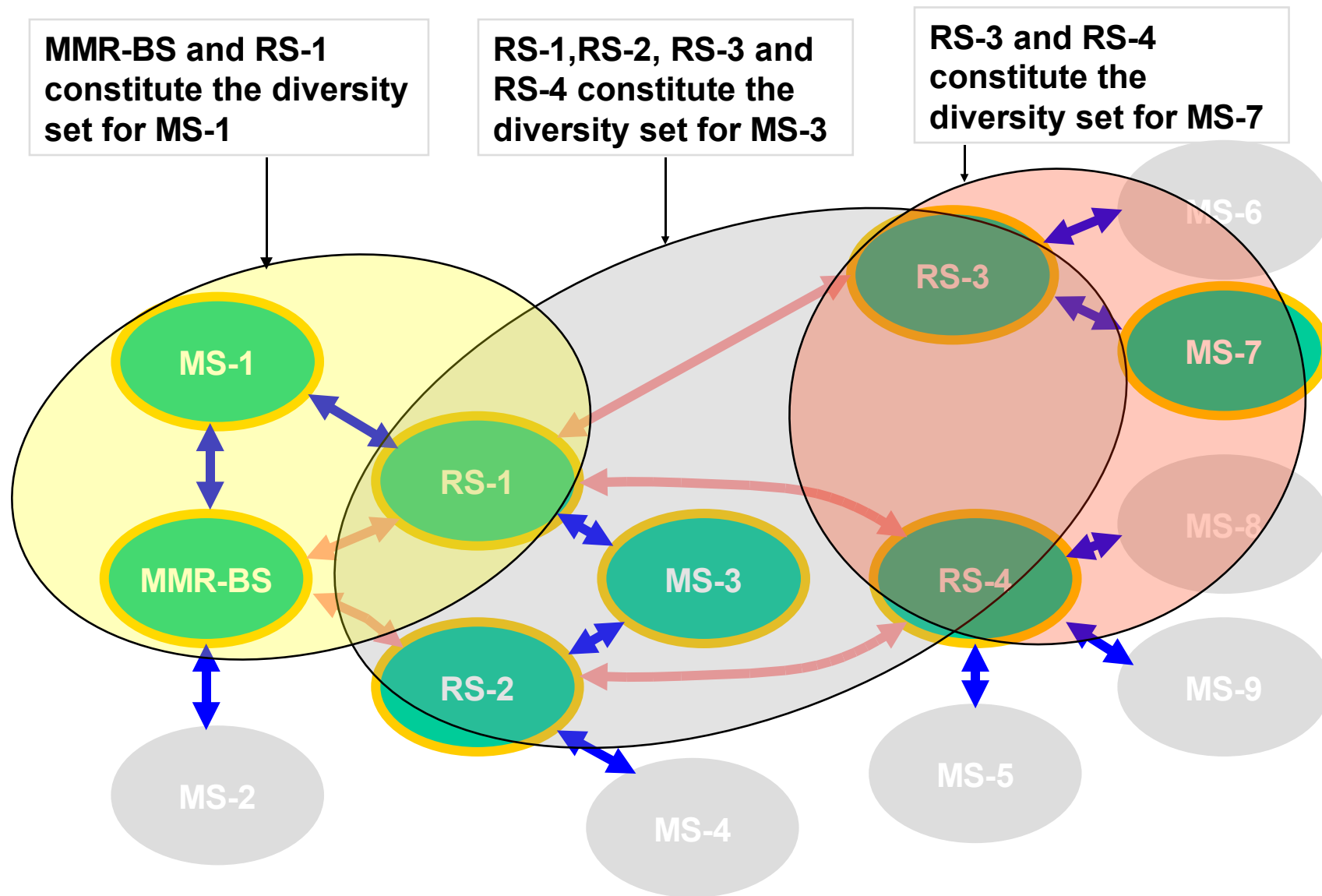- **MMR-cell:** The radio coverage area of a MMR-BS cell and all of its subordinate RS cells.

- **R-Link:** An 802.16j radio link between an MMR-BS and an RS or between a pair of RSs. This can be a R-DL or R-UL.

- **MMR path:** Concatenation of k consecutive relay links ($k \geq 1$) between the MMR-BS and the designated access RS.

- **MMR diversity set:** List of RSs, BSs, and/or MMR-BSs associated with an MS. This set is applicable to macro diversity handover, cooperative relay, and fast serving station switching.

- **Active MMR-BS :** An MMR-BS that is informed of the MS's capabilities, security parameters, service flows, and full MAC context information. For macro diversity handover the MS transmits/receives data to/from all active MMR-BSs in the MMR diversity set.

- **Anchor MMR-BS**: In the context of Macro Diversity Handover (MDHO), cooperative relay, and Fast Serving Station Switching (FSSS), this is the MMR-BS that sends registration, ranging, synchronization, and other control information to the MS.

Definitions of MMR-Cell, R-Link and MMR-Path
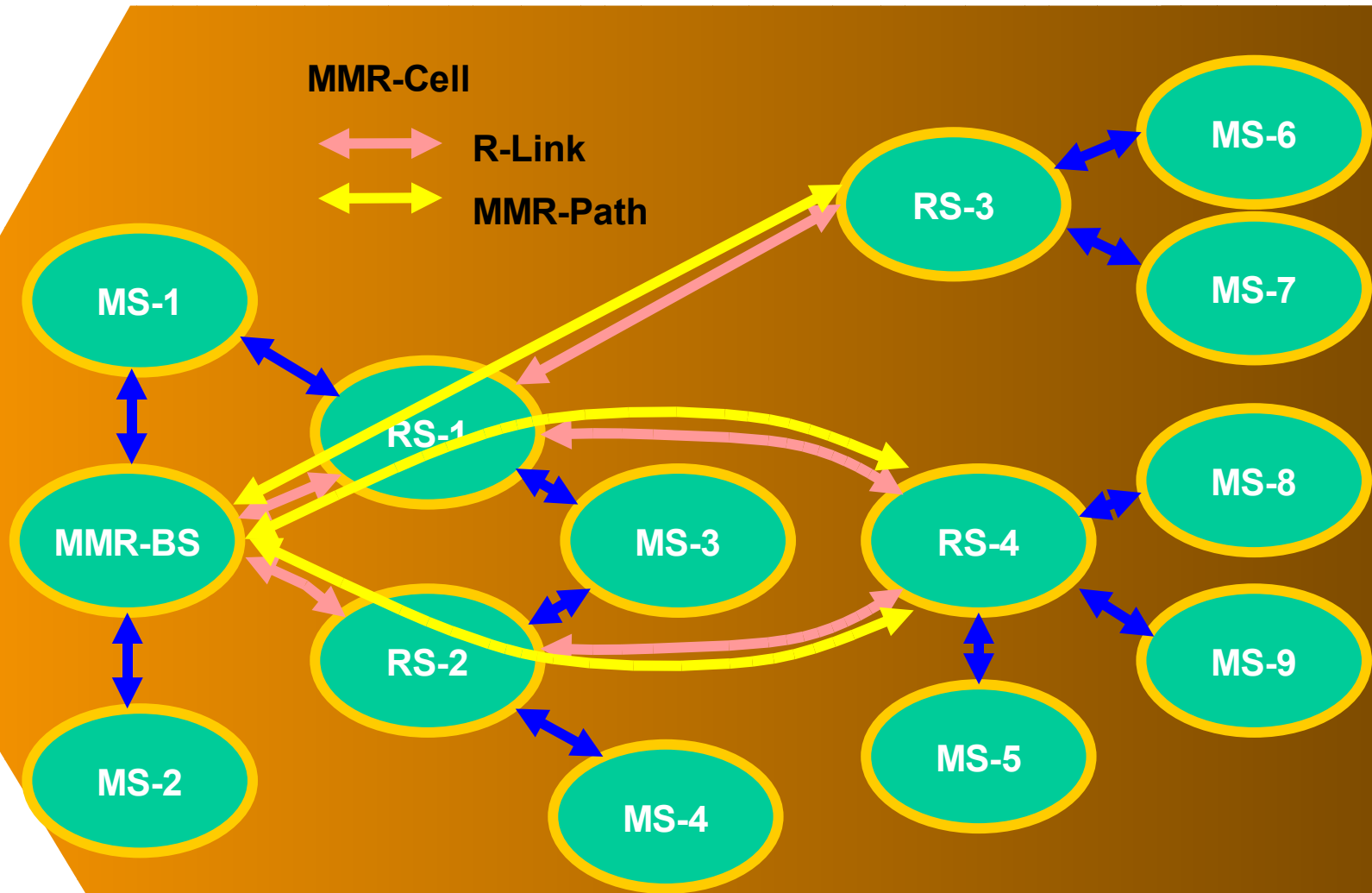
Definitions of MMR-Diversity Set

MMR-BS and RS-1 constitute the diversity set for MS-1

RS-1,RS-2, RS-3 and RS-4 constitute the diversity set for MS-3

RS-3 and RS-4 constitute the diversity set for MS-7
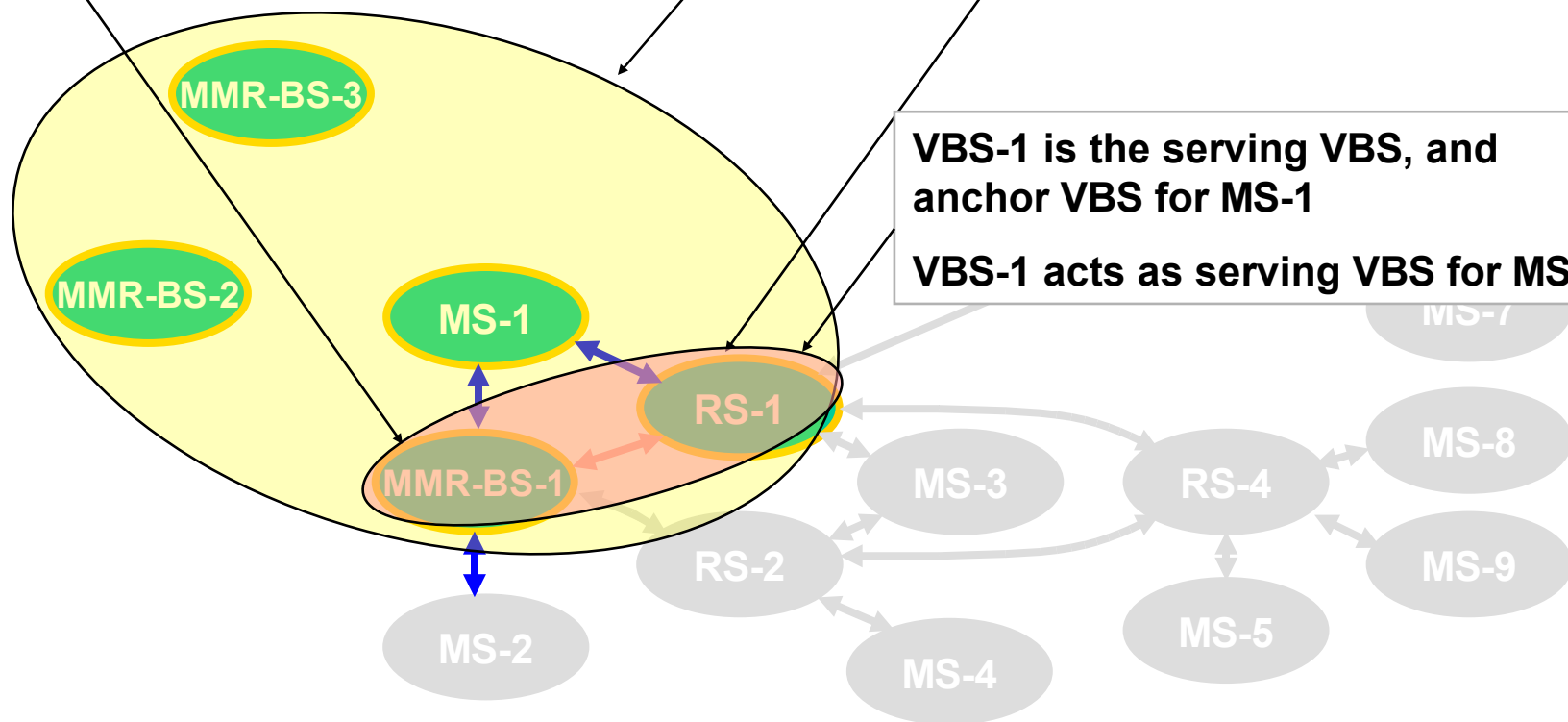
Definitions of Serving BS and Anchor BS

MMR-BS-1 is the servicing MMR-BS and MMR-BS-1 is the anchor BS for MS-1

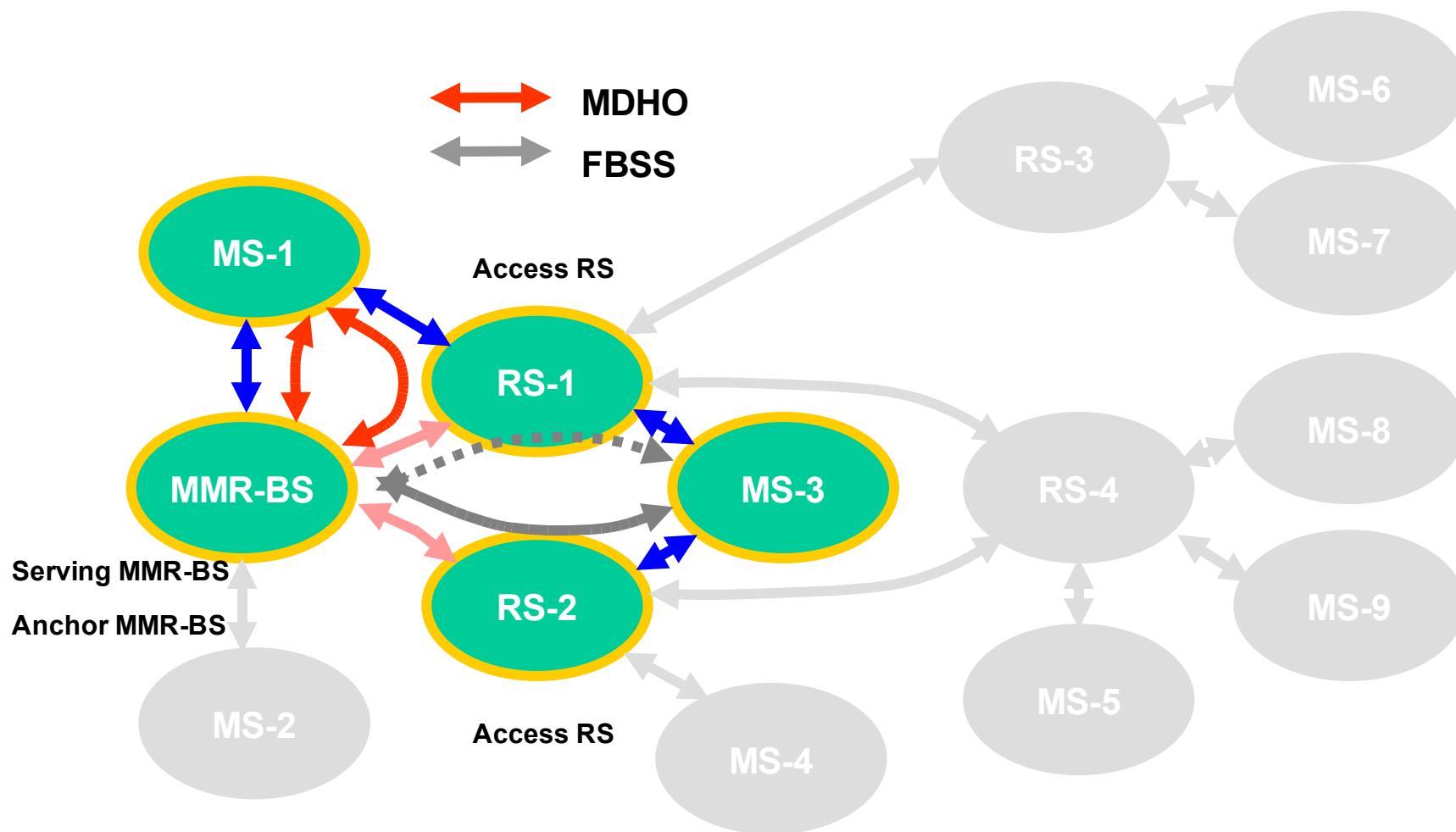MMR-BS-1, MMR-BS-2, MMR-BS-3 and RS-1 constitute the diversity set for MS-1

RS-1 is the access station for MS-1

RS-1 can not be the active RS and can not be the anchor RS
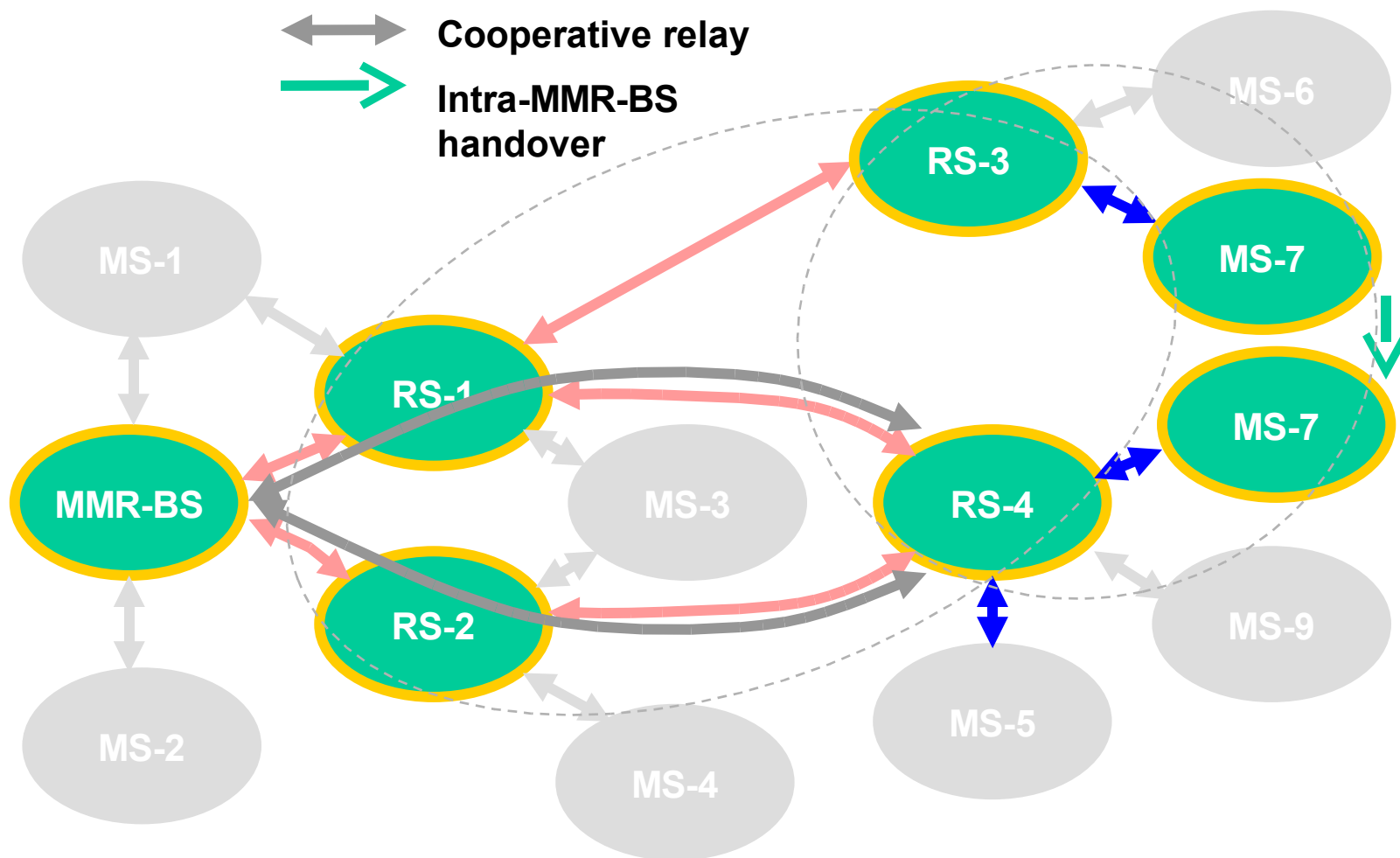
VBS-1 is the serving VBS, and anchor VBS for MS-1

VBS-1 acts as serving VBS for MS-1

Definitions of MMR-MDHO and MMR-FBSS

Definition of Cooperative Relay, Intra-MMR-BS HO

Text Proposal

- See C80216j-06_027_R4.doc