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Introduction of Rel-5 WI
“Gated DPCCH Transmission”
: Signalling Aspects

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Overview

- **Gating can be initiated/terminated by higher layer signalling**
 - ↳ Reconfiguration of Node B
 - ↳ RNSAP/NBAP messages
 - ↳ Reconfiguration of UE
 - ↳ RRC messages
- **Gating support can be indicated by higher layer signalling**
 - ↳ DRNC to SRNC
 - ↳ RNSAP messages
 - ↳ UE to SRNC
 - ↳ RRC messages

Gating Information Entities

■ Initiation & Termination

- RRC: IE “Gated DPCCH Transmission Control Info”
- NBAP & RNSAP: IEs “Gating Parameter” & “Gating Indicator”

■ Support of Gating

- RRC: IE “Support of Gated DPCCH Transmission”
- NBAP & RNSAP: IE “Gating Support Indicator”

Signalling Procedures

- Radio Link Setup/Addition procedure
 - ↳ RL Setup Request (RNSAP/NBAP)
 - ↳ gating parameters
 - ↳ RL Setup/Addition Response/Failure (RNSAP)
 - ↳ gating support indicator

- Uplink Signalling Transfer procedure
 - ↳ UL Signalling Transfer Indication (RNSAP)
 - ↳ gating support indicator

Signalling Procedures (Cont.)

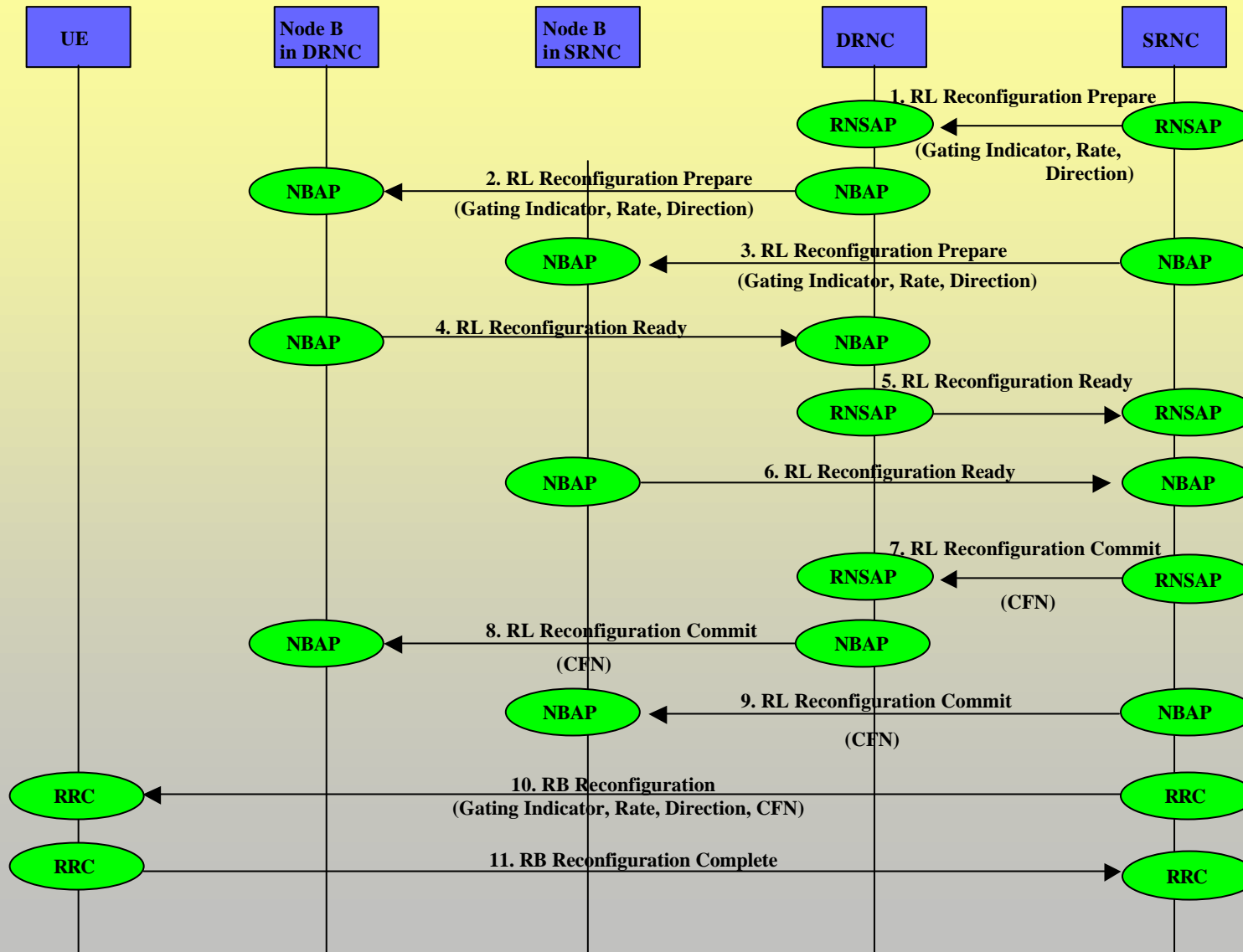
- RRC connection establishment procedure
 - ☞ RRC connection setup complete (RRC)
 - ☞ support of gated DPCCH transmission

- Transmission of UE capability information procedure
 - ☞ UE capability information (RRC)
 - ☞ support of gated DPCCH transmission

Signalling Procedures (Cont.) **: *Gating initiation/termination***

- **Synchronised RL Reconfiguration Preparation procedure**
 - ☞ **RL Reconfiguration Prepare(RNSAP/NBAP)**
 - ☞ **gating indicator and gating parameters**
 - ☞ **in order to reconfigure Node B**
- **Radio Bearer Control Procedure**
 - ☞ **Radio Bearer Reconfiguration (Transport Channel Reconfiguration, Physical Channel Reconfiguration)(RRC)**
 - ☞ **gated DPCCH transmission control info**
 - ☞ **in order to reconfigure UE**

Radio Link Reconfiguration Procedure



Summary

- **Signalling procedure for Gating was introduced**
- **New information entities for Gating were described**
- **Messages for Gating were explained**