3GPP TSG RAN Meeting #95-e

RP-220539

Electronic Meeting, March 17th - 23rd, 2022

Agenda Item 9.1.4.3

Qualcomm

Views on RRM Enhancements

Qualcomm Incorporated

Introduction

- Some RRM enhancements/leftovers are still needed to enable some deployment scenarios
- For the Rel.18 package there have been multiple proposals, it is important to keep the number of items to a minimum in order not to overload the RAN4 RRM work
- In the next slides we will present our priorities for the RRM Enhancements WI

FR1-FR1 NR DC RRM requirements

- FR1-FR1 NR DC RRM requirements are currently missing in the RAN4 specifications
- RAN4 Requirements are needed to enable this deployment scenario
- Workload is not expected to be high as requirements for EN-DC or CA can be reused or easily adapted

HO with PSCell Requirements

- HO with PSCell is currently defined by RAN2 for many scenarios, however, RAN4 requirements are limited to EN-DC
- Reduction of delays associated with HO will decrease the latency and simplify the procedure
- HO With PSCell should be defined for the following scenarios:
  - HO from NR SA to NE-DC
  - HO from NR SA to NR-DC
  - HO from LTE SA to EN-DC
- Workload expected to be rather limited as many of existing requirements can be reused

Qualcomm

Thank you

Follow us on:

For more information, visit us at:

www.qualcomm.com & www.qualcomm.com/blog

All data and information contained in or disclosed by this document is confidential and proprietary information of Qualcomm Technologies, Inc. and/or its affiliated companies and all rights therein are expressly reserved. By accepting this material the recipient agrees that this material and the information contained therein will not be used, copied, reproduced in whole or in part, nor its contents revealed in any manner to others without the express written permission of Qualcomm Technologies, Inc. Nothing in these materials is an offer to sell any of the components or devices referenced herein.

©2018-2020 Qualcomm Technologies, Inc. and/or its affiliated companies. All Rights Reserved.

Qualcomm is a trademark of Qualcomm Incorporated, registered in the United States and other countries. Other products and brand names may be trademarks or registered trademarks of their respective owners.

References in this presentation to “Qualcomm” may mean Qualcomm Incorporated, Qualcomm Technologies, Inc., and/or other subsidiaries or business units within the Qualcomm corporate structure, as applicable. Qualcomm Incorporated includes Qualcomm’s licensing business, QTL, and the vast majority of its patent portfolio. Qualcomm Technologies, Inc., a wholly-owned subsidiary of Qualcomm Incorporated, operates, along with its subsidiaries, substantially all of Qualcomm’s engineering, research and development functions, and substantially all of its product and services businesses, including its semiconductor business, QCT.