RAN Rel-18 Workshop

RWS-210646

Electronic Meeting, June 28 - July 2, 2021

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Title: Email discussion summary for RAN-R18-WS-crossFunc-Telstra

1 Introduction

This document is to capture any questions and discussion related to the Telstra input to the R18 workshop in RWS-210160, Commercial Drivers for Release 18 which sets out some high level Technical Priority areas for Telstra for Release 18.

2 Input in Round 1

Feedback Form 1: Comments and questions on Slide 2: High Level Vision for Release 18

Feedback Form 2: Comments and Questions on Slides 3-5: Commercial Drivers for Release 18

1 – BBC

 Sustainability

The BBC supports measures to improve the sustainability of the 5G RAN.

In particular we're keen to see a realistic and standardised methodology for the measurement and modelling of power consumption in networks to help operators to reduce their impact. In addition, as a content provider, the BBC would like the ability to better understand the impact of our content being consumed over these networks to also drive down our impact.

2 – Samsung Electronics Polska

 Thanks for the paper. In slide 3, Telstra mentioned densification efficiency and also FR2 coverage. if these topics are related on TDD coverage (also other enhancements of TDD), our think is that XDD might help to solve this problem (place long UL subband in the TDD carrier). We want to ask your interest about duplex enhancements for efficiency improvement and FR2 coverage enhancement.

2.1   Summary of Round 1

We thank the BBC and Samsung for their interest and comment on our contribution.

We feel the comments reflect the priority areas for many operators. Release 18 needs to provide quantifiable improvements in spectrum efficiency, especially in increasingly densified networks. We welcome developments in this area in TDD spectrum however FDD spectrum also needs to be considered. As our 5G networks mature, providing reliable and assured service is better achieved with automated methods taking full advantage of mature AI/ML technology. All of this needs to be achieved with a focus on sustainability.

We feel the BBC has raised an important element in the sustainability discussion which we welcome. It will benefit the sustainability of the industry as a whole having an improved ability to better understand the impact of the content being consumed over our networks.