3GPP TSG-RAN WG3 #114-e R3-215883

Online, Nov 1st - Nov 11th, 2021

Agenda Item: 22.4

Source: CMCC (moderator)

Title: SoD for CB: # 2004\_NTN\_Feeder\_Link

Document for: Approval

# Introduction

**CB: # 2004\_NTN\_Feeder\_Link**

**- Is any need for XnAP enhancements to support feeder link switch over?**

**- Alternatively/additionally, is there a need for NGAP enhancements?**

**- Should the assumption be that feeder link switchover coordination is a matter of implementation?**

**- If no enhancements to XnAP/NGAP are foreseen, is there any left over issue on this topic? can the topic be closed?**

(CMCC - moderator)

Summary of offline disc [R3-215883](file:///C%3A%5Czhmq%5C%E4%BC%9A%E8%AE%AE%5C3GPP%E4%BC%9A%E8%AE%AE%5CR3-114e%5Cagenda%5CInbox%5CR3-215883.zip)

# For the Chairman’s Notes

TBD

# Discussion

## Enhancement for feeder link switch-over via Xn

Based on the reference paper provided in this meeting, all companies agree that the enhancement for feeder link switch-over via Xn is not needed in Rel-17.

**Question 1: Do you agree that the enhancement for feeder link switch-over via Xn is not needed in Rel-17?**

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| --- | --- |
| Company | Comment |
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## New procedure via Xn for feeder link switch-over

Based on the reference paper [1][3][4], companies agree that the new procedure via Xn for feeder link switch-over captured in TR 38.821 is not needed in Rel-17.

**Question 2: Do you agree that the new procedure via Xn for feeder link switch-over captured in TR 38.821 is not needed in Rel-17?**

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| Company | Comment |
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## Enhancement for feeder link switch-over via NG

Based on reference paper the reference paper [2], it proposes that the enhancement for feeder link switch-over via NG is not needed in Rel-17.

**Question 3:** **Do you agree that the enhancement for feeder link switch-over via NG is not needed in Rel-17?**

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| Company | Comment |
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## Leftover issues

If no enhancements to XnAP/NGAP are foreseen, is there any leftover issue on this topic? If no issues, can we close this topic?

**Question 4: Companies are invited to provide the leftover issues to be discussed**. **If no issues, can we close this topic.**

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| Company | Comment |
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# Conclusion, Recommendations [if needed]

If needed

# References

1. R3-215351, Discussion on enhancement on Xn interface for Feeder link switch over (Nokia)
2. R3-215593, Discussion on feeder link switch (CATT)
3. R3-215678, Discussion on feeder link switch for NTN (CMCC)
4. R3-215741, Further Discussion on LEO Feeder Link Switch-Over (ZTE)