ENI PoC #13: Intelligent Coverage Optimization of 5G Massive MIMO BS

Rapporteur: (China Telecom)
Xueqi Yuan, Yanfen Li

Co-Rapporteur:
Haining Wang (Intel), Tong Zhang (Intel), Ribo Sun (Intel),
Kuo Liao (Intel), Wei Wen (Intel), Wei Li (Inspur), Bin Li (Inspur)
POC Project Goal: Data Analysis and Policy-Based Coverage Optimization. Demonstrate the use of AI based data analysis to enable policy-based coverage optimization for Massive MIMO BS.
ENI PoC project #13: Intelligent Coverage Optimization of 5G Massive MIMO BS

PoC Goals and PoC member task

Host/Team Leader:

Team members:

PoC Project Goal: Data Analysis and Policy-Based Coverage Optimization. Demonstrate the use of AI based data analysis to enable policy-based coverage optimization for Massive MIMO BS.
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PoC member task

✅ China Telecom:
1. Use case development and data collection for further test.
2. PoC development and algorithm design.

✅ Intel:
1. Testbed setup and demo
2. Relative standard establishment work.
3. Implementation and optimization of AI algorithm?

✅ Inspur: Software development
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**Working Arrangement**

<table>
<thead>
<tr>
<th>PoC Milestone</th>
<th>Stages/Milestone description</th>
<th>Target Date</th>
<th>Additional Info</th>
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<tbody>
<tr>
<td>P.S</td>
<td>PoC project submission</td>
<td>10/2020</td>
<td>Presentation during #ENI Rapporteur Call#160</td>
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<tr>
<td>P.S</td>
<td>PoC user story</td>
<td>12/2020</td>
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<td>P.TP.1</td>
<td>PoC Test Plan 1</td>
<td>03/2021</td>
<td>Test plan based on the user story</td>
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<td>P.TP.2</td>
<td>PoC Test Plan 2</td>
<td>06/2021</td>
<td>Test of joint system and optimization</td>
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<td>P.D1</td>
<td>PoC Demo 1</td>
<td>TBD</td>
<td>ETSI ENI#19 ?</td>
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<tr>
<td>P.D2</td>
<td>PoC Demo 2</td>
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<td>PoC Report</td>
<td>09/2021</td>
<td>PoC-Project-End Feedback</td>
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<td>P.E</td>
<td>PoC Project End</td>
<td>12/2021</td>
<td>Presented to ISG ENI for information</td>
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Thanks!