**IPR call reminder:**

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| ***"I draw your attention to your obligations under the 3GPP Partner Organizations' IPR policies. Every Individual Member organization is obliged to declare to the Partner Organization or Organizations of which it is a member any IPR owned by the Individual Member or any other organization which is or is likely to become essential to the work of 3GPP.******Delegates are asked to take note that they are thereby invited:**** ***to investigate whether their organization or any other organization owns IPRs which are, or are likely to become Essential in respect of the work of 3GPP.***
* ***to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms".***
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**Antitrust policy Reminder:**

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| ***"I also draw your attention to the fact that 3GPP activities are subject to all applicable antitrust and competition laws and that compliance with said laws is therefore required of any participant of this TSG/WG meeting including the Chairman and Vice Chairman. In case of question I recommend that you contact your legal counsel.******The leadership shall conduct the present meeting with impartiality and in the interests of 3GPP.******Furthermore, I would like to remind you that timely submission of work items in advance of TSG/WG meetings is important to allow for full and fair consideration of such matters."*** |

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| 19.4 | - | - | - | Feasibility Study on 5GS Enhancement for Energy Efficiency and Energy Saving (FS\_EnergySys) | - | - | Wanqiang | Docs:=80 | **-**  |
|  |  |  |  | Report of NWM discussion |  |  |  | Docs:=1 |  |
| 19.4 | **S2-2406134** | REPORT | Approval | Report on NWM discussion and proposals for conclusion by Rapporteurs | Samsung, Lenovo (Rapporteurs) | Rel-19 | FS\_EnergySys | Handle |  |
|  |  |  |  | KI#1 Conclusion |  |  |  | Docs:=13 (1+5) |  |
| 19.4 | **S2-2406836** | P-CR | Approval | 23.700-66: Conclusion for KI#1. | Samsung, Lenovo (Rapporteurs) | Rel-19 | FS\_EnergySys | Handle (baseline) |  |
| 19.4 | **S2-2405907** | P-CR | Approval | 23.700-66: Conclusion update on KI#1: Network energy related information exposure. | China Mobile, Huawei, vivo, China Unicom, NEC, Tencent, CATT, Lenovo, | Rel-19 | FS\_EnergySys | Revision of S2-2405840 from SA WG2#162Handle (exposure granularity part only) |  |
| 19.4 | **S2-2405972** | P-CR | Approval | 23.700-66: Conclusions for KI#1, Network energy related information exposure | Deutsche Telekom, SK Telecom | Rel-19 | FS\_EnergySys | Merge to S2-2406499 |  |
| 19.4 | **S2-2405997** | P-CR | Approval | 23.700-66: KI#1, Interim conclusion | NTT DOCOMO | Rel-19 | FS\_EnergySys | Merge to S2-2405907 |  |
| 19.4 | **S2-2406055** | P-CR | Approval | 23.700-66: 23.700-66: Update Conclusions for KI#1 | vivo | Rel-19 | FS\_EnergySys | Merge to S2-2406836 |  |
| 19.4 | **S2-2406233** | P-CR | Approval | 23.700-66: KI#1: Conclusion updates | LG Electronics | Rel-19 | FS\_EnergySys | Handle (energy information collection part only) |  |
| 19.4 | **S2-2406273** | P-CR | Approval | 23.700-66: KI#1:conclusions | Nokia | Rel-19 | FS\_EnergySys | Handle (CHF part only) |  |
| 19.4 | **S2-2406288** | P-CR | Approval | 23.700-66: KI#1 Conclusions update | NEC | Rel-19 | FS\_EnergySys | Merge to S2-2405907 |  |
| 19.4 | **S2-2406499** | P-CR | Approval | 23.700-66: KI#1: Conclusion Update | Huawei, HiSilicon | Rel-19 | FS\_EnergySys | Handle (energy information collection part only) |  |
| 19.4 | **S2-2406582** | P-CR | Approval | 23.700-66: KI#1: Conclusion | Samsung Electronics France SA | Rel-19 | FS\_EnergySys | Merge to S-2406233 (collection) and S2-2406675 (RAN support) |  |
| 19.4 | **S2-2406610** | P-CR | Approval | 23.700-66: KI#1, conclusion proposal | ZTE | Rel-19 | FS\_EnergySys | Merge to S2-2406499 |  |
| 19.4 | **S2-2406613** | P-CR | Approval | 23.700-66: Conclusion proposal architecture impact | ZTE | Rel-19 | FS\_EnergySys | Merge to S2-2406836 |  |
| 19.4 | **S2-2406675** | P-CR | Approval | 23.700-66: Conclusion update for KI#1: Energy related information reported from RAN node | Qualcomm India Pvt Ltd, Vodafone | Rel-19 | FS\_EnergySys | Handle (RAN support part only) |  |
|  |  |  |  | KI#2 Conclusion |  |  |  | Docs:=15 (1+6) |  |
| 19.4 | **S2-2406837** | P-CR | Approval | 23.700-66: Conclusion for KI#2. | Samsung, Lenovo (Rapporteurs) | Rel-19 | FS\_EnergySys | Handle (baseline) |  |
| 19.4 | **S2-2405982** | P-CR | Approval | 23.700-66: Conclusions for KI#2 | CATT, China Mobile, vivo, China Telecom, China Unicom, KDDI | Rel-19 | FS\_EnergySys | Revision of S2-2405838 from SA WG2#162Handle (information for PCF part only) |  |
| 19.4 | **S2-2405998** | P-CR | Approval | 23.700-66: KI#2, Interim conclusion | NTT DOCOMO | Rel-19 | FS\_EnergySys | Merge to S2-2406837 |  |
| 19.4 | **S2-2406056** | P-CR | Approval | 23.700-66: 23.700-66: Update Conclusions for KI#2 | vivo | Rel-19 | FS\_EnergySys | Merge to S2-2406837 |  |
| 19.4 | **S2-2406086** | P-CR | Approval | 23.700-66: KI#2, Conclusion for BDT Policy Negotiation with energy related information | KDDI, TOYOTA MOTOR CORPORATION | Rel-19 | FS\_EnergySys | Merge to S2-2406837 |  |
| 19.4 | **S2-2406183** | P-CR | Approval | 23.700-66: KI#1 and 2: Conclusions and General approach | Ericsson | Rel-19 | FS\_EnergySys | Handle (Energy subscription indication only) |  |
| 19.4 | **S2-2406235** | P-CR | Approval | 23.700-66: KI#2: Conclusion updates | LG Electronics | Rel-19 | FS\_EnergySys | Merge to S2-2406611 |  |
| 19.4 | **S2-2406274** | P-CR | Approval | 23.700-66: KI#2: conclusions | Nokia | Rel-19 | FS\_EnergySys | Merge to S2-2406837 |  |
| 19.4 | **S2-2406289** | P-CR | Approval | 23.700-66: KI#2 Conclusions update | NEC | Rel-19 | FS\_EnergySys | Handle (validity information only) |  |
| 19.4 | **S2-2406501** | P-CR | Approval | 23.700-66: KI#2: Conclusion updates | Huawei, HiSilicon | Rel-19 | FS\_EnergySys | Handle (CHF and charging system part only) |  |
| 19.4 | **S2-2406611** | P-CR | Approval | 23.700-66: KI#2, conclusion proposal | ZTE | Rel-19 | FS\_EnergySys | Handle (Non-GBR part only) |  |
| 19.4 | **S2-2406676** | P-CR | Approval | 23.700-66: Conclusion update for KI#2 | Qualcomm India Pvt Ltd | Rel-19 | FS\_EnergySys | Merge to S2-2406501 |  |
| 19.4 | **S2-2406682** | P-CR | Approval | 23.700-66: KI#2: Conclusion update | Samsung | Rel-19 | FS\_EnergySys | Merge to S2-2406837 |  |
| 19.4 | **S2-2406702** | P-CR | Approval | 23.700-66: Update to the Conclusions for KI#2 | Lenovo | Rel-19 | FS\_EnergySys | Handle (AM/SM policy part only) |  |
| 19.4 | **S2-2406769** | P-CR | Approval | 23.700-66: KI#2 conclusion update | Intel | Rel-19 | FS\_EnergySys | Merge to S2-2406837 |  |
|  |  |  |  | KI#3 Conclusion |  |  |  | Docs:=14 (1+1+3) |  |
| 19.4 | **S2-2406838** | P-CR | Approval | 23.700-66: Conclusion for KI#3. | Samsung, Lenovo (Rapporteurs) | Rel-19 | FS\_EnergySys | Handle |  |
| 19.4 | **S2-2405983** | P-CR | Approval | 23.700-66: Conclusions for KI#3 | CATT | Rel-19 | FS\_EnergySys | Revision of S2-2403937 from SA WG2#162Handle (baseline?) |  |
| 19.4 | **S2-2405999** | P-CR | Approval | 23.700-66: KI#3, Interim conclusion | NTT DOCOMO | Rel-19 | FS\_EnergySys | Handle (NF profile only) |  |
| 19.4 | **S2-2406057** | P-CR | Approval | 23.700-66: 23.700-66: Update Conclusions for KI#3 | vivo | Rel-19 | FS\_EnergySys | Handle (Slice part and UE preference only) |  |
| 19.4 | **S2-2406087** | P-CR | Approval | 23.700-66: KI#3, Conclusion for UP path adjustment and NWDAF-Based Energy Analytics | KDDI, TOYOTA MOTOR CORPORATION | Rel-19 | FS\_EnergySys | Merge to S2-2405983 |  |
| 19.4 | **S2-2406184** | P-CR | Approval | 23.700-66: KI#3: NF selection conclusions | Ericsson | Rel-19 | FS\_EnergySys |  |  |
| 19.4 | **S2-2406275** | P-CR | Approval | 23.700-66: KI#3: conclusions | Nokia | Rel-19 | FS\_EnergySys | Handle (NF profile only) |  |
| 19.4 | **S2-2406500** | P-CR | Approval | 23.700-66: KI#3: Conclusion update | Huawei, HiSilicon | Rel-19 | FS\_EnergySys | Merge to S2-2406057 |  |
| 19.4 | **S2-2406612** | P-CR | Approval | 23.700-66: KI#3, conclusion proposal | ZTE | Rel-19 | FS\_EnergySys | Merge to S2-2405983 |  |
| 19.4 | **S2-2406648** | P-CR | Approval | 23.700-66: KI#3: Conclusion update | Samsung | Rel-19 | FS\_EnergySys | Merge to S2-2406057 |  |
| 19.4 | **S2-2406678** | P-CR | Approval | 23.700-66: Conclusion update for KI#3 | Qualcomm India Pvt Ltd | Rel-19 | FS\_EnergySys | Merge to S2-2405983 |  |
| 19.4 | **S2-2406767** | P-CR | Approval | 23.700-66: Key Issue #3, Conclusion Update | InterDigital Finland Oy | Rel-19 | FS\_EnergySys | Merge to S2-2405983 |  |
| 19.4 | **S2-2406770** | P-CR | Approval | 23.700-66: KI#3 conclusion update | Intel | Rel-19 | FS\_EnergySys | Merge to S2-2405983 |  |
| 19.4 | **S2-2406059** | P-CR | Approval | 23.700-66: 23.700-66: Evaluation for KI3 | vivo | Rel-19 | FS\_EnergySys |  |  |
|  |  |  |  | LS In/ LS Out |  |  |  | Docs:=4 |  |
| 19.4 | **S2-2405847** | LS In | Action | LS from TSG RAN: Reply LS RP-240029 on per UE energy consumption in RAN  | TSG RAN (RP-240825) | Rel-19 | FS\_EnergySys | Revision of Postponed S2-2403898 from S2#162Handle |  |
| 19.4 | **S2-2405874** | LS In | Information | LS from SA WG5: LS Reply to SA4 on 3GPP work on energy efficiency | SA WG5 (S5-241924) | Rel-19 | FS\_Energy\_OAM\_Ph3 | Handle |  |
| 19.4 | **S2-2406531** | LS OUT | Approval | [DRAFT] LS on Charging Support for Energy Credit Limit Control | vivo Mobile Communication (S) | Rel-19 | FS\_EnergySys | Handle |  |
| 19.4 | **S2-2406026** | LS OUT | Approval | [DRAFT] LS to SA WG5 on green subscription indication | OPPO | Rel-19 | FS\_EnergySys | Handle |  |
|  |  |  |  | Solution Update |  |  |  | Docs:=26 |  |
| 19.4 | **S2-2405913** | P-CR | Approval | 23.700-66: Update on Solution #1: Energy related information collection and exposure. | China Mobile | Rel-19 | FS\_EnergySys | Revision of S2-2404006 from SA WG2#162 |  |
| 19.4 | **S2-2406022** | P-CR | Approval | 23.700-66: EnergySys Sol#16 critical updates to resolve ENs | OPPO, NTT DOCOMO | Rel-19 | FS\_EnergySys | Revision of S2-2404306 from SA WG2#162Handle |  |
| 19.4 | **S2-2406210** | P-CR | Approval | 23.700-66: KI#1, Sol#2: Solution updates to resolve ENs. | LG Electronics | Rel-19 | FS\_EnergySys | Revision of S2-2404352 from SA WG2#162 |  |
| 19.4 | **S2-2406261** | P-CR | Approval | 23.700-66: KI#1: Solution 20 update. | Nokia | Rel-19 | FS\_EnergySys | Revision of S2-2404231 from SA WG2#162 |  |
| 19.4 | **S2-2406365** | P-CR | Approval | 23.700-66: Clarification related to Energy consumption Analytics. | China Mobile | Rel-19 | FS\_EnergySys | Revision of S2-2404052 from SA WG2#162(Sol#4 Update) |  |
| 19.4 | **S2-2406498** | P-CR | Approval | 23.700-66: KI#1, Sol #17 update: update the Energy related information collection based on two granularities | Huawei, HiSilicon | Rel-19 | FS\_EnergySys | Revision of S2-2404791 from SA WG2#162 |  |
| 19.4 | **S2-2406614** | P-CR | Approval | 23.700-66: KI#1, update the Solution 6 | ZTE | Rel-19 | FS\_EnergySys | Revision of S2-2404386 from SA WG2#162 |  |
| 19.4 | **S2-2405912** | P-CR | Approval | 23.700-66: Update on Solution #7: Policy control for network energy saving. | China Mobile | Rel-19 | FS\_EnergySys | Revision of S2-2404007 from SA WG2#162 |  |
| 19.4 | **S2-2406024** | P-CR | Approval | 23.700-66: Updates to Solution#25: Enhancements to include PDTQ | OPPO | Rel-19 | FS\_EnergySys |  |  |
| 19.4 | **S2-2406025** | P-CR | Approval | 23.700-66: Updates to Solution#24: Enhancements to extend green subscription information towards PCC | OPPO | Rel-19 | FS\_EnergySys |  |  |
| 19.4 | **S2-2406060** | P-CR | Approval | 23.700-66: Update Solution#9 on credit limit control | vivo | Rel-19 | FS\_EnergySys | Revision of S2-2404240 from SA WG2#162 |  |
| 19.4 | **S2-2406209** | P-CR | Approval | 23.700-66: KI#2, Sol#7: Solution updates to resolve EN | LG Electronics, China Mobile, TOYOTA MOTOR CORPORATION | Rel-19 | FS\_EnergySys |  |  |
| 19.4 | **S2-2406211** | P-CR | Approval | 23.700-66: KI#2&3, Sol#15: Solution updates. | LG Electronics | Rel-19 | FS\_EnergySys | Revision of S2-2404354 from SA WG2#162 |  |
| 19.4 | **S2-2406286** | P-CR | Approval | 23.700-66: Solution#10 update for KI#2 | Intel | Rel-19 | FS\_EnergySys | Handle |  |
| 19.4 | **S2-2406291** | P-CR | Approval | 23.700-66: KI#2: Updates to Solution #8 Energy efficiency subscriptions and control. | NEC | Rel-19 | FS\_EnergySys | Revision of S2-2404730 from SA WG2#162 |  |
| 19.4 | **S2-2406481** | P-CR | Approval | 23.700-66: KI#2 Solution 24 update. | Nokia | Rel-19 | FS\_EnergySys | Revision of S2-2404230 from SA WG2#162 |  |
| 19.4 | **S2-2406607** | P-CR | Approval | 23.700-66: Update of Solution #22: Energy related UE subscription information | Toyota Motor Corporation, KDDI, CMCC | Rel-19 | FS\_EnergySys | Revision of S2-2404804 from SA WG2#162Handle |  |
| 19.4 | **S2-2406615** | P-CR | Approval | 23.700-66: KI#2, update the Solution 23 | ZTE | Rel-19 | FS\_EnergySys | Revision of S2-2404388 from SA WG2#162 |  |
| 19.4 | **S2-2405981** | P-CR | Approval | 23.700-66: KI#3 update solution #15 Enhancements to existing 5GS procedures for energy saving | CATT | Rel-19 | FS\_EnergySys | Revision of S2-2403933 from SA WG2#162 |  |
| 19.4 | **S2-2406058** | P-CR | Approval | 23.700-66: 23.700-66: KI #3, Updates to Sol#29 NF selection based on energy related info. | vivo | Rel-19 | FS\_EnergySys | Revision of S2-2404242 from SA WG2#162 |  |
| 19.4 | **S2-2406065** | P-CR | Approval | 23.700-66: KI#1&3, Sol#3: Solution updates to resolve ENs. | Tencent, Tencent Cloud | Rel-19 | FS\_EnergySys | Revision of S2-2404284 from SA WG2#162Handle |  |
| 19.4 | **S2-2406153** | P-CR | Approval | 23.700-66: Updates on Solution 29: NF selection based on energy related information | Motorola Mobile Com Technology | Rel-19 | FS\_EnergySys | Revision of S2-2404591 from SA WG2#162 |  |
| 19.4 | **S2-2406173** | P-CR | Approval | 23.700-66: Updates on NWDAF-based Energy Analytics | Motorola Mobile Com Technology | Rel-19 | FS\_EnergySys | Revision of S2-2404509 from SA WG2#162 |  |
| 19.4 | **S2-2406290** | P-CR | Approval | 23.700-66: KI#3: Updates to Solution #14 UE energy usage control. | NEC | Rel-19 | FS\_EnergySys | Revision of S2-2404731 from SA WG2#162 |  |
| 19.4 | **S2-2406495** | P-CR | Approval | 23.700-66: KI#3, Solution update to Sol#12 and New Solution: Energy-aware Analytics Exposure and Data Collection | Huawei, HiSilicon | Rel-19 | FS\_EnergySys | Revision of S2-2404075 from SA WG2#162 |  |
| 19.4 | **S2-2406768** | P-CR | Approval | 23.700-66: Key Issue #3, Solution 29 Update for Per Service Operation Energy Consumption | InterDigital Finland Oy | Rel-19 | FS\_EnergySys | Handle |  |
|  |  |  |  | Others |  |  |  | Docs:=7 |  |
| 19.4 | **S2-2406023** | P-CR | Approval | 23.700-66: KI #1, New Sol: Energy related information exposure and granularity | OPPO | Rel-19 | FS\_EnergySys | Revision of S2-2404305 from SA WG2#162 |  |
| 19.4 | **S2-2406262** | P-CR | Approval | 23.700-66: KI#3 New Solution on NF energy state impact on event exposure. | Nokia | Rel-19 | FS\_EnergySys | Revision of S2-2404238 from SA WG2#162 |  |
| 19.4 | **S2-2406271** | P-CR | Approval | 23.700-66: KI #2, New Sol: UE involved energy saving operation. | Nokia, Vivo | Rel-19 | FS\_EnergySys | Revision of S2-2404239 from SA WG2#162 |  |
| 19.4 | **S2-2406272** | P-CR | Approval | 23.700-66: KI#3 New Solution on UE energy category analytics. | Nokia | Rel-19 | FS\_EnergySys | Revision of S2-2404236 from SA WG2#162 |  |
| 19.4 | **S2-2406502** | P-CR | Approval | 23.700-66: KI#2, New Sol: Control of UE current energy consumption | Huawei, HiSilicon | Rel-19 | FS\_EnergySys | Revision of S2-2404798 from SA WG2#162 |  |
| 19.4 | **S2-2406503** | P-CR | Approval | 23.700-66: KI#2, New Sol: UE energy credit control and enforcement | Huawei, HiSilicon | Rel-19 | FS\_EnergySys | Revision of S2-2404799 from SA WG2#162 |  |
| 19.4 | **S2-2406504** | P-CR | Discussion | 23.700-66: Consideration on usage of renewable energy, energy efficiency and granularity from NF or Slice | Huawei, HiSilicon | Rel-19 | FS\_EnergySys |  |  |

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Approved/Endorsed: **0**
Agreed: **0**
Replied to LSs: **0**
Noted: **0**
Merged: **0**
For e-mail approval: **0**
Postponed: **0**
Withdrawn: **13**
Total documents: **994**