**3GPP TSG-RAN WG2 Meeting #111 electronic R2-20xxxxx**

**Online, August 17th – 28th, 2020**

|  |
| --- |
| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **36.300** | **CR** | **1309** | **rev** | **1** | **Current version:** | **16.2.0** |  |
|  |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

|  |
| --- |
|  |
| ***Title:***  | Correction on TS36.300 for CHO |
|  |  |
| ***Source to WG:*** | Huawei, HiSilicon |
| ***Source to TSG:*** | R2  |
|  |  |
| ***Work item code:*** | LTE\_feMob-Core |  | ***Date:*** | 2020-08-26 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-16 |
|  | *Use one of the following categories:****F*** *(correction)****A*** *(mirror corresponding to a change in an earlier release)****B*** *(addition of feature),* ***C*** *(functional modification of feature)****D*** *(editorial modification)*Detailed explanations of the above categories canbe found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)Rel-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
|  |  |
| ***Reason for change:*** | 1. Upon the execution condition(s) are met for a CHO candidate cell, the UE executes CHO. So the description “executes the HO command once the execution condition(s) are met for a CHO candidate cell” is not accurate.
2. UE stops evaluating the execution condition(s) once the handover is executed (legacgy handover or conditional handover execution), so the description “UE stops evaluating the the execution condition(s) for other candidate cells” is not accurate. Current description only covers the case that the UE stops evaluating the execution condition(s) for other candidate cells when CHO is executed (i.e. the execution condition(s) are met for a CHO candidate cell), and the description is imcomplete.
3. For the execution condition, new A3/A5 are introduced for CHO events.
 |
|  |  |
| ***Summary of change:*** | 1. Change “executes the HO command” to “executes CHO”
2. Change “UE stops evaluating the execution condition(s) for other candidate cells once the handover is triggered” to “UE stops evaluating the execution condition(s) once the handover is executed (legacgy handover or conditional handover execution)”
3. Change “A3/A5” to “CHO events A3/A5”
 |
|  |  |
| ***Consequences if not approved:*** | Some ambiguities still exist.  |
|  |  |
| ***Clauses affected:*** | 10.1.2.1a.1 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  |  |
| ***affected:*** |  | **X** |  Test specifications |  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications |  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

*Start of change*

10.1.2.1a Conditional Handover

10.1.2.1a.1 General

A Conditional Handover (CHO) is defined as a handover that is executed by the UE when one or more handover execution conditions are met. The UE starts evaluating the execution condition(s) for CHO candidate cells upon receiving the CHO configuration, and executes CHOonce the execution condition(s) are met for a CHO candidate cell. UE stops evaluating the execution condition(s) once the handover is executed (legacgy handover or conditional handover execution).

The following principles apply to CHO:

- The CHO configuration contains the configuration of CHO candidate cell(s) generated by each CHO candidate cell and execution condition(s) generated by the source cell.

- An execution condition may consist of one or two trigger condition(s) (CHO events A3/A5). Only single RS type is supported and at most two different trigger quantities (e.g. RSRP and RSRQ, RSRP and SINR, etc.) can be configured simultaneously for the evaluation of CHO execution condition of a single candidate cell.

- UE maintains connection with source eNB until UE determines a CHO execution condition is met for CHO candidate cell.

- Before any CHO execution condition is satisfied, upon reception of HO command (without CHO configuration), the UE executes the HO procedure as described in clause 10.1.2.1, regardless of any previously received CHO configuration.

- After source eNB sends CHO command to UE, the network is allowed to change source eNB configuration and network can add, modify or release a configured CHO configuration using RRC message (i.e. until UE starts executing CHO.

- While executing CHO, i.e. from the time when the UE starts synchronization with target cell, UE does not monitor source cell.

NOTE: CHO is not supported for S1 based handover in this release of the specification.

*End of change*