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| **CHANGE REQUEST** | | | | | | | | | | | | | | | |
|  | EN 302 636-4-1 | | | **Version** | 1.4.1 | **CR** | | 1 | | **rev** | | | | - |  |
|  | | | | | | | | | | | | | | | |
| **CR Title** | | Missing step in GAC Forwarder and receiver operations | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | |
| **Original Source** | | ITS WG3 | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | |
| **Work Item Ref** | | REN-ITS-00358 | | | | | **Submission date** | | | | | 22/10/2020 | | | |
| **Approving TB** | | ITS | | | | | **Approval date** | | | | | 23/10/2020 | | | |
| **Category:** | | **F** | **Release** | | | | | | | | 1 | | |  | |
|  | | Use **one** of the following categories: **F** (correction) **A** (correction in an earlier release) **B** (addition of feature)  **C** (functional modification of feature) **D** (editorial modification) | | | | | | | | | | |  | | |
|  | |  | | | | | | | | | | | | | |
| **Reason for change** | | | Missing step between step 10 and step 11 for section 10.3.12.3 Forwarder and receiver operations (for GAC) to execute the forwarding algorithm | | | | | | | | | | | | |
|  | | |  | | | | | | | | | | | | |
| **Consequence if not approved** | | | Inconsistent description of operations up to possibly incomplete implementation of forwarder and receiver operations | | | | | | | | | | | | |
|  | | |  | | | | | | | | | | | | |
| **Summary of change** | | | Add missing step | | | | | | | | | | | | |
|  | | |  | | | | | | | | | | | | |
| **Clauses affected** | | | 10.3.12.3 | | | | | | | | | | | | |
|  | | |  | | | | | | | | | | | | |
| **Linked Change Requests** | | | n/a | | | | | |  | | | | | | |
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| **Other comments** | | |  | | | | | | | | | | | | |
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10.3.12.3 Forwarder and receiver operations

On reception of a GAC packet, the GeoAdhoc router shall execute the following operations:

1) *Basic Header* processing (clause 10.3.3);

[…]

10) if  (GeoAdhoc router is outside the geographical area):

a) decrement the *RHL* value:

i) if *RHL* = 0, discard the packet and omit the execution of further steps;

ii) if *RHL* > 0, update the field of the *Basic Header*, i.e. the *RHL* field with the decremented *RHL* value;

b) if no neighbour exists, i.e. the LocT does not contain a LocTE with the *IS\_NEIGHBOUR* flag set to TRUE, and SCF for the traffic class in the *TC* field of the *Common Header* is set, buffer the GAC packet in the *BC forwarding packet buffer* and omit the execution of further steps;

NOTE 2: If the GeoAdhoc router is outside the geographical area, the GN-PDU will not be passed to the upper layer entity.

11) execute the forwarding algorithm selection procedure (annex D);

12) if the return value of the forwarding algorithm is 0 (packet is buffered in a forwarding packet buffer) or -1 (packet is discarded), omit the execution of further steps;

13) execute media-dependent procedures; if the GN protocol constant itsGnIfType is set to:

a) UNSPECIFIED then no media-dependent procedures are specified;

b) for other values of itsGnIfType media dependent procedures may be defined elsewhere;

14) pass the GN-PDU to the LL protocol entity via the IN interface and set the destination address to the LL address of the next hop LL\_ADDR\_NH.