

LPWAN WG

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Note Well

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Minutes are taken *

This meeting is recorded **

Presence is logged ***

- * Scribe; please contribute online to the minutes at: <https://etherpad.tools.ietf.org/p/lpwan>
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- *** From the Webex login

Agenda bashing

17:05	Opening, agenda bashing (Chairs) <ul style="list-style-type: none">• Note-Well, Scribes, Agenda Bashing, Approval minutes from last meeting• Review todo• Status of drafts	10mn
17:15	SCHC WGLC	30mn
17:45	CoAP SCHC	15mn
17:55	AOB	5mn

Last meeting Action items

- MIC Discussion
- Launch WGLG
 - Result?

draft-ietf-lpwan-ipv6-static-context-hc-08

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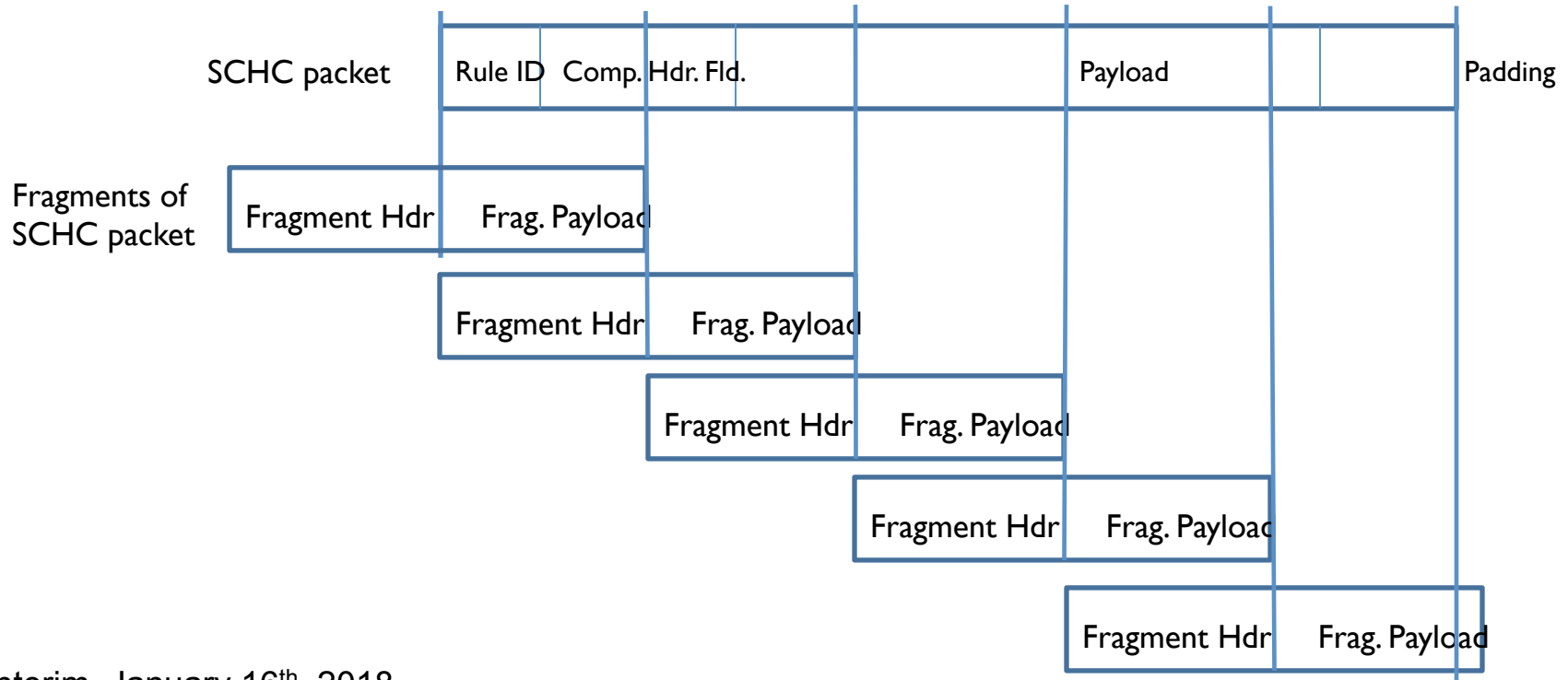
Carles Gomez <carlesgo@entel.upc.edu>

Reviews Inputs (I)

- First Thanks to all of you that have read it and give updates and questions: Stephen Farrell, Pascal Thubert, Soichi Sakane, Rahul Jadhav
- Zip Bomb => In the Security part 8.1 cover with “never re-construct a packet bigger than some configured size (with 1500 bytes as a good generic default)”=> ok
- Benefit to have DNS oriented => Out of Scope?
- Simplify Abstract => ok
- To be self-enough do we need to add a rule ID default size?
- Decoupled Fragmentation and SCHC compression => Non
- To leave it clear that Fragmentation and Compression are not decoupled because
 - Different location implies different SCHC instances in the architecture, do we want to define this?
 - Architecture Modification is an implementation issue
- For the Dev only the Rule ID is needed => YES
- DNS lookup => Out of Scope?
- We are obligated to have a full used window All-0 or All-1 => some FCN may be not used
- Hop Limit value is constant => We do not know, it depends on the Rule, there are not default values
- Different Rule ID's with same DTAG => yes, it is possible
- Delete the constraint of: non reordering? => Full agree

Reviews Inputs (2)

- Interleave=> You can multiplex the RuleID
- Fragment Format: Figure 4 and figure 6 representation together



Reviews Inputs (3)

- Padding on ACK=> Yes because bitmap is not always multiple of 8 and Rule ID neither
- Padding between SCHC header and Payload=> Non
- Different Rule ID for each fragments=> Non, The same Rule ID is used for all the fragments, different RuleID for different packets or behaviors
- Rule ID is used to determine the packet the fragment belong to?=> Rule Id and DTAG
- CDA variable values: 15 to 255 first 4 bits sent to I and size using 8 bits
 - First 4 bits means LSB? => Yes
 - The size in 8 bits includes the first 4 bits? => Non
- SCHC context update=> Is not defined, a new work item?
 - SCHC context synchronization is not defined, how to manage when the RuleID does not exist ? => You send without compression
 - One way I could think of to handle this is to change the rule-id when the SCHC context is changed. I don't know if this needs proper handling or some text in the draft. => YES
- Dissector WIRESHARK ?=> I do not know

Reviews Inputs (4)

- Multiple rules in the same flow => Yes
- I do not think that the spec mandates that only a single rule be made use of for all the packets in the given flow => Yes, it is right we work by packet and not by flow
- Add and appendix with SCHC compressed byte payload examples=> Yes, good idea
- Dev 'may' implement SCHC=> Is not MUST because we have legacy devices
- Implementers may have a handle to choose the best Rule to use for a packet, when multiple rules matches the packet. => YES
- Can the actual byte payload be specifies along with the rule based examples in the appendix? => Yes, we can

Do we request publication after changes?

THANKS

Questions?

draft-ietf-lpwan-coap-static-context-hc-02

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Going Forward...

- Update the draft-coap to be complied with SCHC updates
- Add more examples with options
- Are there other options needed for the LPWAN networks?

THANKS

Questions?

AOB ?