

IETF 109

SPRING

SR Compression

Design Team Report

Members:

Cheng Li, Chongfeng Xie, Darren Dukes, Peng Shaofu,
Ron Bonica, Sander Steffan, Wim Hendrickx

Presenter and Chair:

Weiqiang Cheng

Overview of design team

- Members of the design team

- Chaired by:

- Weiqliang Cheng of China Mobile

- Other members of the team:

- Cheng Li of Huawei

- Chongfeng Xie of China Telecom

- Darren Dukes of Cisco

- Peng Shaofu of ZTE and

- Ron Bonica of Juniper

- Sander Steffann of SJM Steffann Consultancy

- Wim Henderickx of Nokia

Mail list

- <https://www.ietf.org/mailman/listinfo/srcomp>
- The mailing list is private, but the archive can be read by anyone.

Documents

- Internet Drafts in Data tracker of IETF
- The github for minutes and documents
<https://github.com/IETF-srcomp>

Meetings

- e-meetings
 - Twice per week/Weekly meeting
- F2F meetings
 - During IETF meeting

Work Scope for Design Team

The design team is to produce (rough) consensus (of the DT) outputs to the WG on two related topics:

1) What are the requirements for solutions to compressing segment routing information for use over IPv6;

2) A comparison of proposed approaches to compressing segment routing information for use over IPv6.

If the design team has insights into the number of solutions:

are several already standardized?

is there value in picking one / some?

this may be included in the requirements readout. If the design team can not agree, or does not think it is helpful to report this aspect, that is also acceptable to the chairs.

Tasks and Time Plan

- **Stage 1: IETF108 to IETF109**

- ✓ **Main Tasks:**

- Discuss the requirements and metric for SR over IPv6 compression

The Design Team focus on the document to help WG to understand the Problem Statement, Requirements, metric and Scope of SR over IPv6 compression.

- ✓ **Output:**

Draft: Requirements will cover both data plane and control plane

- **Stage 2: IETF109 - IETF110**

- ✓ **Main Tasks:**

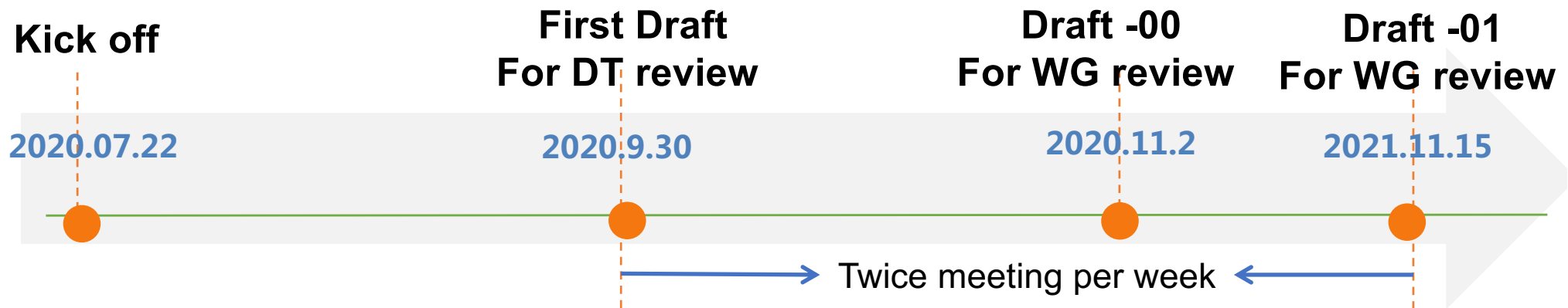
Data Plane and control plane solutions discussion and comparison based on Requirements document.

- ✓ **Output:**

Draft: Solution analysis document including evaluation information based on the requirements document

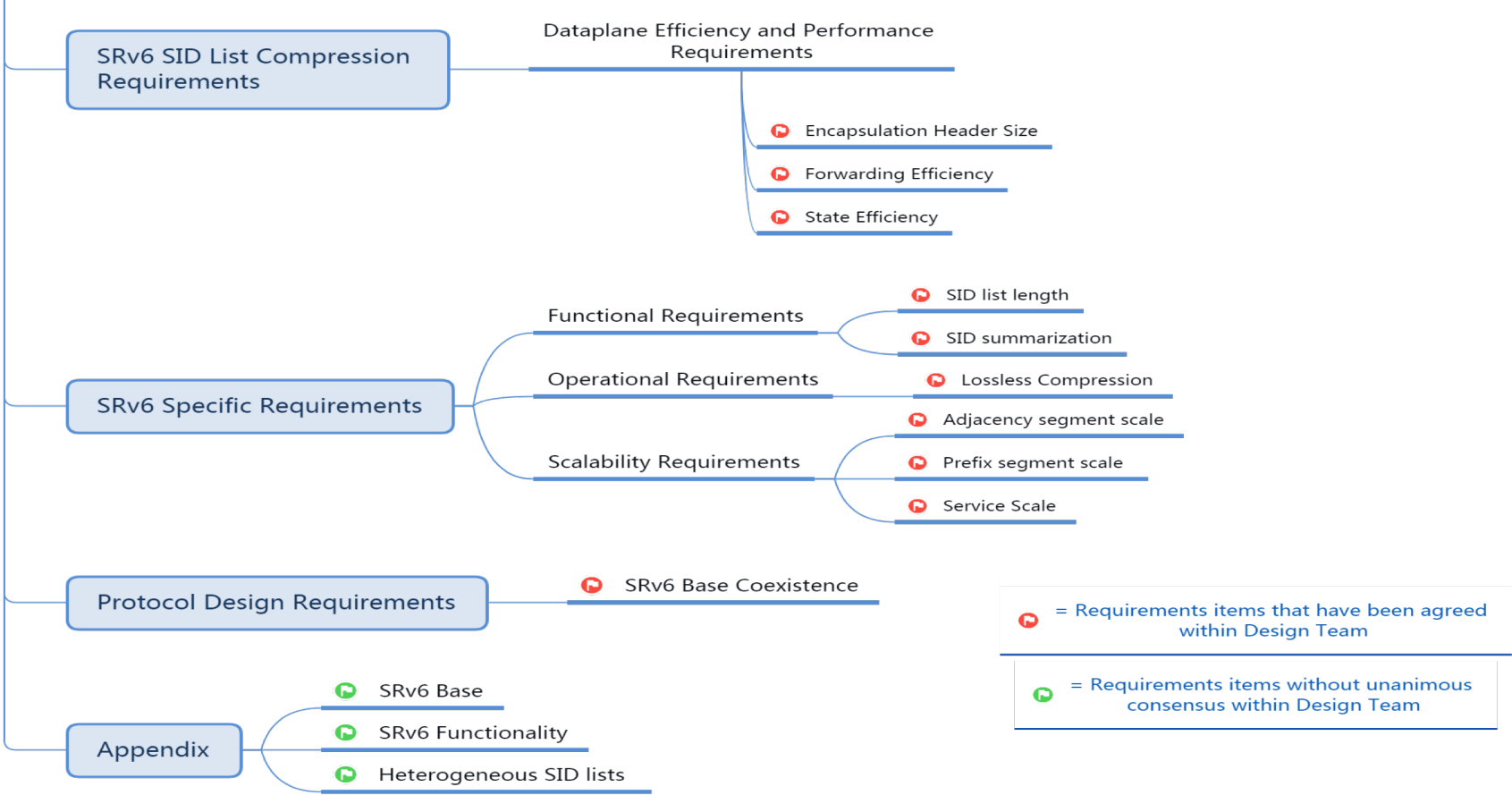
Progress of Design Team

Finished the -00&-01 version of SRv6 Compression Requirements draft.



<https://datatracker.ietf.org/doc/draft-srcompdt-spring-compression-requirement/>

Overview of Requirement draft



Next Steps

Requirements Completion

1 week:

gather feedback on requirements

End of December:

Decide on rough consensus requirements

Publish a new revision

Analysis Phase

January:

The SRCOMP team will provide a list of proposals to analyze

IETF 110:

Analysis draft revision 00

Questions?