The **Update** on the Source Address Validation in Inter-domain Networks Gap Analysis, Problem Statement, and Requirements

draft-ietf-savnet-inter-domain-problem-statement-09

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July 22, 2025

SAVNET WG Meeting, IETF 123

Revision Summary (v-09 *vs.* v-08)

- Minor refinements to the NO_EXPORT and DSR scenario examples
- Updated requirement description for improving validation accuracy
- Minor refinements to the introduction text for EFP-uRPF
- Clarified wording on incremental/partial deployment requirement

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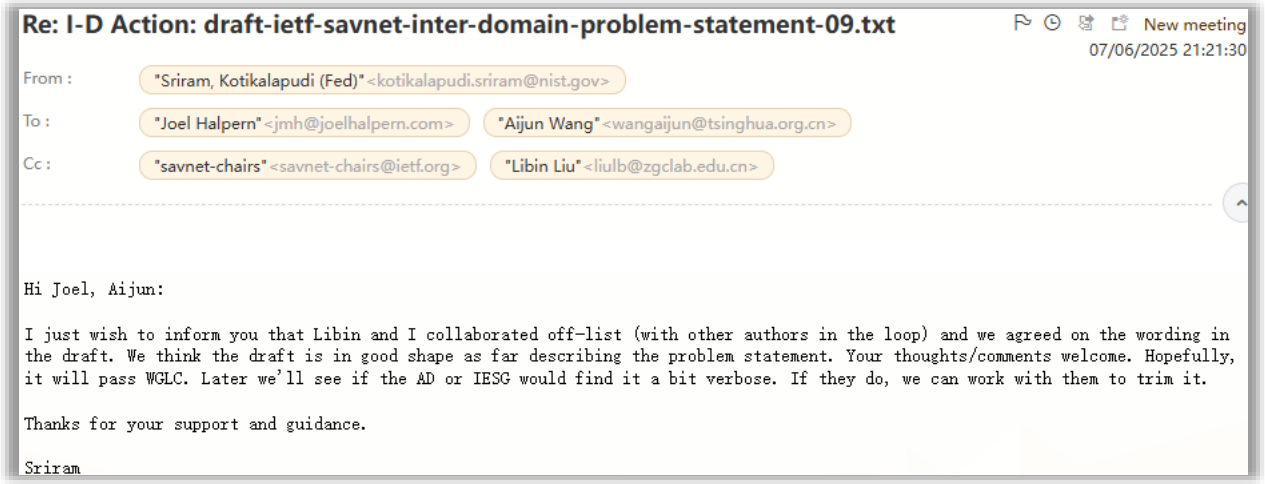


Re: I-D Action: draft-ietf-savnet-inter-domain-problem-statement-09.txt

New meeting
07/06/2025 21:21:30

From : "Sriram, Kotikalapudi (Fed)" <kotikalapudi.sriram@nist.gov>

To : "Joel Halpern" <jmh@joelhalpern.com> "Aijun Wang" <wangaijun@tsinghua.org.cn>

Cc : "savnet-chairs" <savnet-chairs@ietf.org> "Libin Liu" <liulb@zgclab.edu.cn>

Hi Joel, Aijun:

I just wish to inform you that Libin and I collaborated off-list (with other authors in the loop) and we agreed on the wording in the draft. We think the draft is in good shape as far describing the problem statement. Your thoughts/comments welcome. Hopefully, it will pass WGLC. Later we'll see if the AD or IESG would find it a bit verbose. If they do, we can work with them to trim it.

Thanks for your support and guidance.

Sriram

We updated the SAVNET WG chairs on the revision consensus.

Removing NO_EXPORT Config from the DSR Example

- In the DSR scenario for illustrating hidden prefixes, "NO_EXPORT" config is not necessarily needed and may lead to misunderstanding.

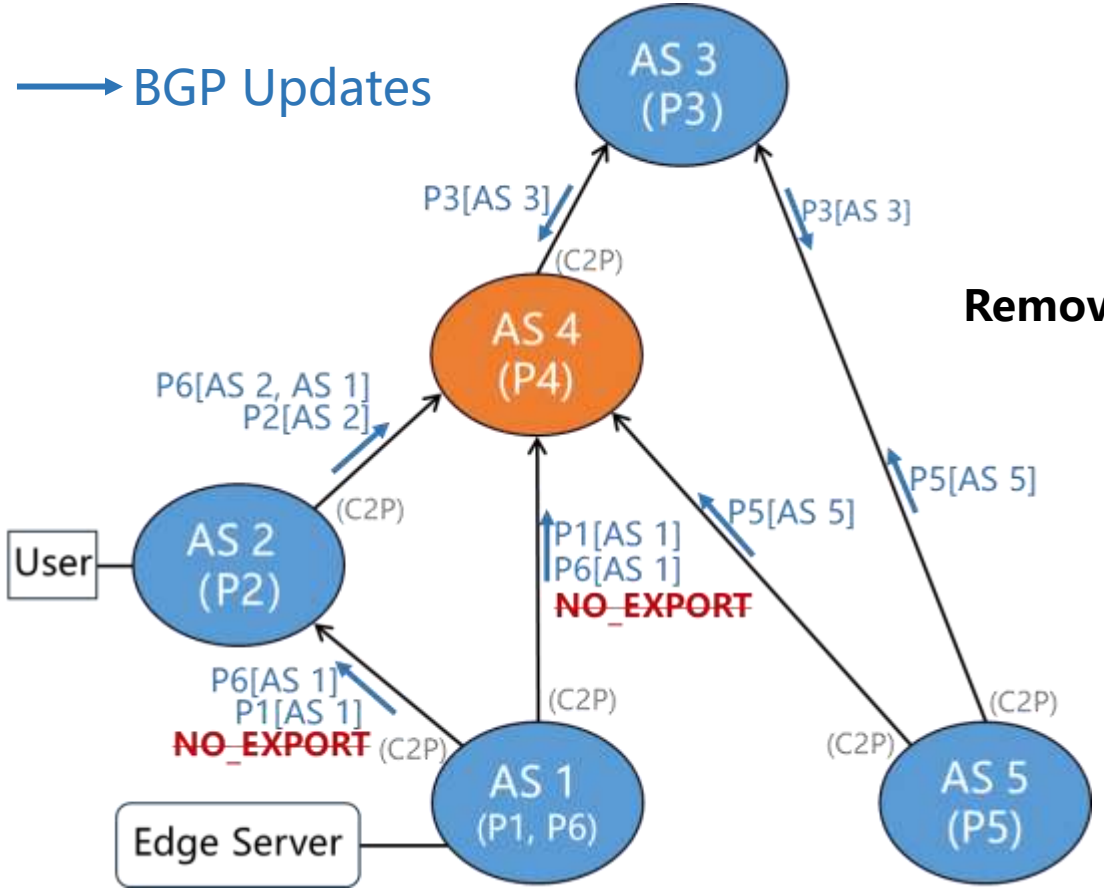


Figure in V-08

Removing "NO_EXPORT"

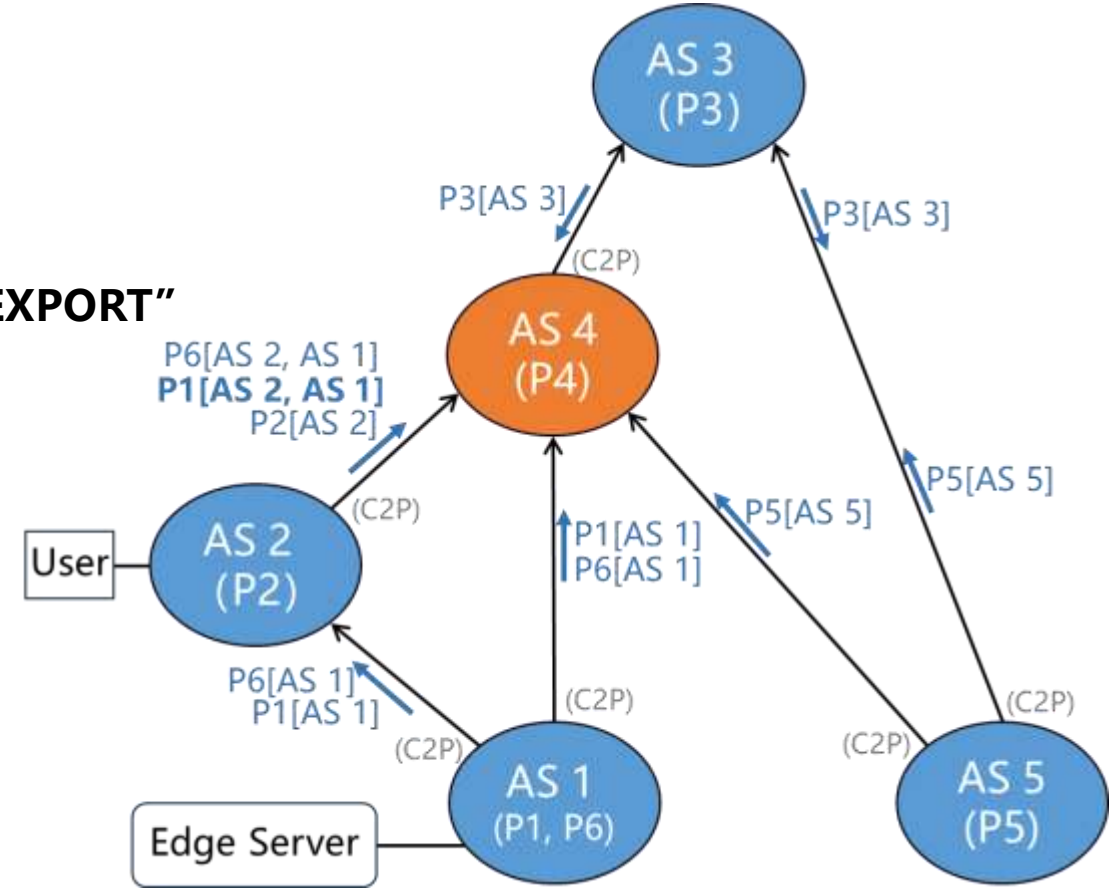
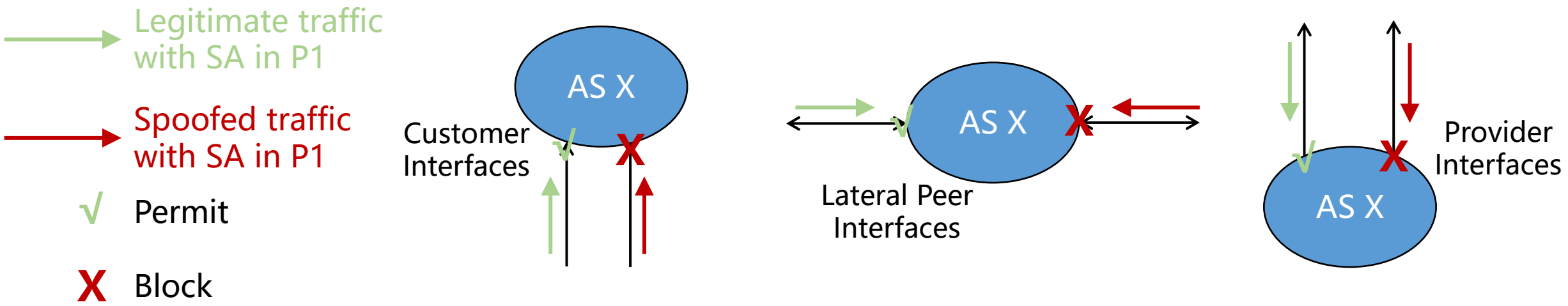


Figure in V-09

https://datatracker.ietf.org/doc/html/draft-ietf-savnet-inter-domain-problem-statement-09#dsr

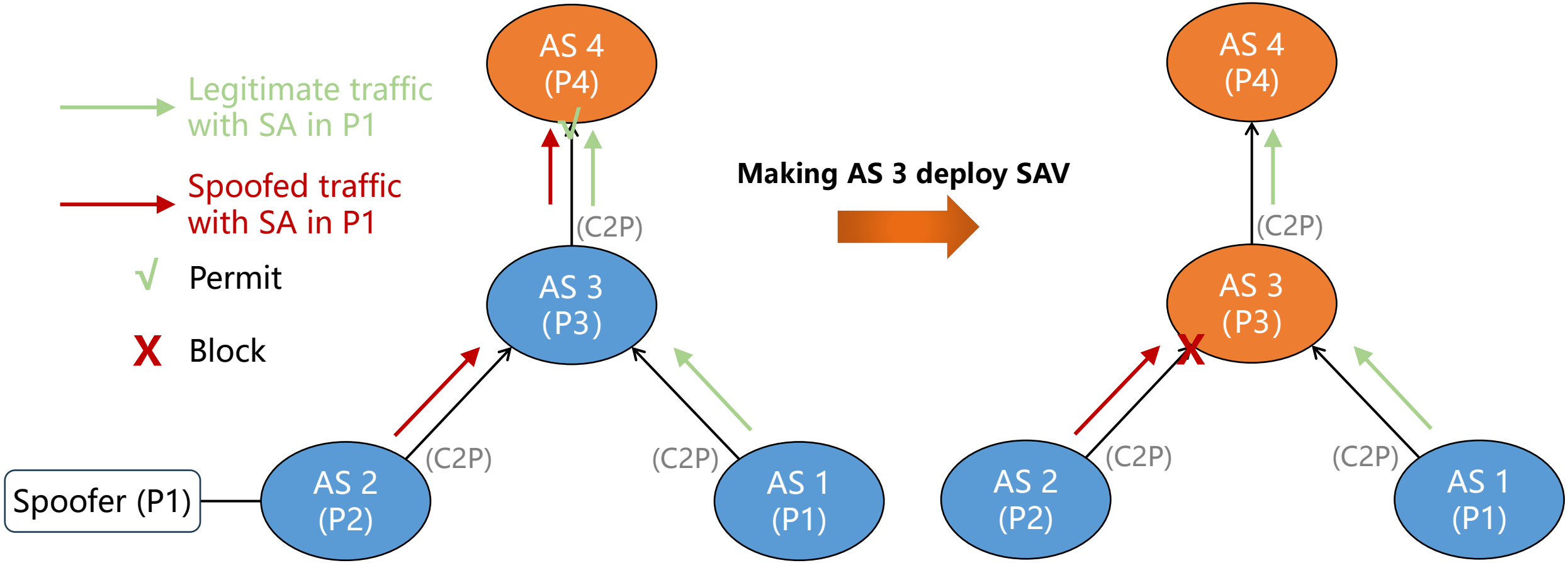
Requirement for Improving Validation Accuracy

- Focusing on the requirement and avoiding constraining the solution space
  - **Updated requirement**: "for an AS performing inter-domain SAV on an interface connected to a neighboring AS, it MUST permit all prefixes whose legitimate traffic (using them as source addresses) can reach that interface, while blocking all others that cannot. This general principle applies to customer, lateral peer, and provider interfaces."



Requirement for Improving Validation Accuracy

- Clarifying the scenarios where both spoofed and legitimate traffic arrive from the same direction
  - In such scenarios, wider deployment can help.



Next Step

- Request WG Last Call

Thanks! ☺