



# draft-ietf-grow-bgpopssecupd

+draft-ietf-grow-routing-ops-sec-inform & draft-ietf-grow-routing-ops-terms

Tobias Fiebig

Max-Planck Institut für Informatik

Nick Hilliard

INEX

Wolfgang Tremmel

DE-CIX



# draft-ietf-grow-routing-ops-sec-inform

*“Rien.”*

- Louis XVI, 1789-07-14





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# Status: draft-ietf-grow-routing-ops-sec-inform

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Recent changes: None

Todo:

- ASPA part needs a bit of an update
- Referenced draft-ietf-sidrops-avoid-rpki-state-in-bgp-01 is expired; Include text or revive document?
- Go over the text and align terminology with draft-ietf-grow-routing-ops-terms (Just because it is not authoritative does not mean the drafts shouldn't be consistent)
- General clean-up work (Need to find some time; Big day-job-tasks are done, so should be able to give this another revision after 124)





# draft-ietf-grow-routing-ops-terms

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# The original plan

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- Collect terms used in global routing operations (French style dictionary)
- Don't make it a BCP or try to be prescriptive (Oxford style dictionary)
- *Not* like the (somewhat similar) DNSOP work
- Potentially keep updating it in the WG continuously (routing (language) changes fast)



# State: draft-ietf-grow-routing-ops-terms

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Recent changes: None

Todo:

- Need to revisit the structure; There are some todo items and bugs for specific terms and general consistency
- Revisit structure: Cluster glossary and descriptions or properly merge?
- Revisit structure: Grouping terms by topic or alphabetically?
- Add some missing terms (there are tickets for that)
- General clean-up work (Need to find some time; Big day-job-tasks are done, so should be able to give this another revision after 124)





# draft-ietf-grow-bgpopssecupd



# The original plan



Focus should be on:

- Short enough for policymakers to read
- Generic enough to be resilient to specific technology changing
- Testable independent of implementation
- Published quick enough to prevent harm (more months than years)

Split out individual eggs from the current draft basket:

- ✓ Keep the core of the document that focuses on timeless truth about BGP security (purpose/goals/high-level), which can replace BCP194 as a BCP
- ✓ An informational document listing 'the basket of eggs' that is there in terms of what can be done to secure BGP
- ✓ An informational document reporting terminology 'as used in drafts around the time of writing'
- × **Be. Quick; Before things become laws.**



# State: draft-ietf-grow-bgpopssecupd-11

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Recent changes since 124/-08:

- Some minor formulation changes
- Got two reviews and addressed comments



# RTDIR Early Review: Not Ready



- **Major:** Rephrase

*“All ASes left of the originating AS in the AS\_PATH MUST be authorized to advertise the NLRI to the AS directly to their left..”*

**to**

*“For received NLRI with an AS\_PATH = AS1, AS2, ..., ASn, where AS1 is the neighbor that sent the UPDATE and ASn is the originator, for each k in 1..n-1, AS(k+1) MUST be authorized to export the NLRI to ASk according to their bilateral routing policy (e.g., provider-customer, peer, or lateral-peer).”*

- **Minor:** Section 3.1 lists desired properties (prevent off-path injection, interruption, etc.) but gives no references (e.g., GTSM/TTL-security, TCP-AO, BGP-MD5, CoPP/CP-policing, max-prefix). It would be helpful to readers to have the informative references or a short “Examples include ...”

→ Added references.



# INTDR Early Review: Ready



- Change title “Updated BGP Operations and Security”  
→ “BGP Operations and Security”
- One comment on wording in the abstract; Wording actually required (discussed on the list)
- “The BGP speaker, i.e., the host running BGP [...]”  
→ “The BGP speaker, i.e., the node running BGP [...]”



# Discussion

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## draft-ietf-grow-routing-ops-sec-inform

*Pull requests welcome!*

## draft-ietf-grow-routing-ops-terms-00

*Pull requests welcome! Cluster alphabetically / by topic?*

*Merge glossary for TLAs (Three Letter Acronyms) and terms, or leave them seperated?*

## draft-ietf-grow-bgpops-sec

*Review comments addressed; We believe this is ready for WGLC.*

*→ We are asking the WG and chairs to start WGLC.*





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