

# Status of WG and Personal Drafts

**IETF 122 DTN WG**

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# Current WG Drafts

- BPSec COSE Context ([draft-ietf-dtn-bpsec-cose-06](#))
  - Stable spec with two trial implementations interoperating
  - Generic issue with AAD coverage raised [on the WG mailing list](#) which affects this draft
- BP EID Patterns ([draft-ietf-dtn-eid-pattern-01](#))
  - Stable concepts with some small last changes to optimize range notation
  - Has multiple implementations in different languages
  - DTN scheme has been removed due to its uncertainty (of structure) and possible complexity
- UDPCLv2 ([draft-ietf-dtn-udpcl-00](#))
  - Has had one trial implementation of all features
  - Adds extensibility and segmentation capability
  - Includes a secondary menu of useful extensions, any of these can be deferred to follow-on draft(s)
  - Relates to BP demux ([draft-taylor-dtn-demux-02](#)) and BP Edge Zero-Config. for UDP service name
- BP SAND ([draft-ietf-dtn-bp-sand-00](#))
  - This is a first draft attempting to define what transport-agnostic and secure discovery can look like
  - Depends on UDPCLv2, IMC multipoint scheme, and BP EID Patterns for full functionality

# Open Discussions

- BPSec COSE Context:
  - Deal with unprotected [ASB Security Source](#) field (as either unconditional or controlled AAD)
- BP EID Patterns:
  - Method for ranges and optimized notation, want to not have to write 32- or 64-bit largest value
  - Current draft uses the form `ipn:977000.[10000-max].*` but could be another symbol `ipn:977000.[10000-*].*` or elided altogether `ipn:977000.[10000-].*`
  - My preference is to not use the absence of a symbol to indicate behavior
- UDPCLv2 and BP SAND:
  - Have not received specific external feedback about these contents
  - Some issues to fix TBDs exist in [UDPCLv2](#) and the [SAND](#) trackers
  - Prototypes exist in the [dtn-demo-agent](#) repo as proof-of-concept for different features
  - Both have relatively simple state machines and are mostly one-way with unacknowledged PDUs

# Current Personal Drafts

- BP Edge Node with Zero-Configuration ([draft-sipos-dtn-edge-zeroconf](#))
  - Goal is to allow using a BPA in a stable IP LAN without spending time configuring nodes
    - Allow BP application demos to focus on *using the apps* not on configuring the network
  - This is a purely information document for how to use existing mDNS and DNS service discovery
  - Could be updated to include additional example of using existing UDPCL service name
  - A proof of concept was implemented in the [dtn-demo-agent](#)
  - Is there any interest from BPA implementers to demonstrate “plug and play” mDNS use?
  - Possible hackathon topic?