

# CoRE: CoRECONF

- RFC 9254: YANG-CBOR
- In IESG: [CORE-SID](#)
- WGLC passed [CORE-COMI](#)
- WGLC passed [CORE-YANG-LIBRARY](#)

# SID allocation

<draft-ietf-core-sid-20.txt>

<draft-toutain-lpwan-sid-allocation-02.txt>

CORE-SID: IESG processing + parallel WGLC (...  
2023-03-16)

CORE-SID -20 is meant to deal with Rob Wilton's DISCUSS,  
adding status information to SID files:

- global file status
- per-SID status

# SID status

PYANG is a greater 🚧 construction site than we thought

- Consolidate patches flying around
- Make YANG generate the example that we are using
- Add SIDs for remaining identifiers (input, output)

[ ] Some more editorial work needed (see 2023-06-21)

[ ] Get some validation mechanism going

# PYANG issues

- [x] /ietf-system:set-current-datetime/**input**/current-datetime
- [ ] missing parts:
  - [ ] "dependency-revision": completely missing
  - [ ] "description" — where does text come from?
- [ ] spurious plurals:  
items → item, assignment-ranges → assignment-range
- [ ] sx:structure???,  
missing embedding in "ietf-sid-file:sid-file"
- [ ] SIDs (sid, entry-point, size) need to be strings (uint64)

## Timeline: CORE-SID

- [ ] do the process exception edits
- [ ] do the PYANG work, prepare -21
- [ ] discuss on list, ~~possibly at 2023-07-05 interim~~
- [ ] WGLC ~~W27 (right after interim)~~
- [ ] discuss at 117
- [ ] submit to IESG again

# COMI: Access to YANG information bases via CoAP

<draft-ietf-core-comi-12.txt>: CORECONF → CoAP  
like RFC 8040 for RESTCONF → HTTP

Already went through a Working Group Last-call

— [x] Recent simplifications completed, -13

  Main remaining Issue: detailed use of POST

## To do

- [e] new mediatypes need to be cborseq:
  - → yang-identifiers+cborseq
  - → yang-instances+cborseq
- [e] RPC example actually is an action example; rename
- [ ] add actual RPC example
- [ ] unneeded redundancy in action (& → RPC) example

## Operations (RPC, action): state in -13

REQ: POST </c>  
(Content-Format: application/yang-instances+cbor**seq**)

```
[60002, "myserver"],  
{  
  60002 : {  
    1 : "2016-02-08T14:10:08Z09:00" / reset-at (SID 60003) /  
  }  
}
```

— [ ] Make this an actual yang-instances map



# Current state: unneeded redundancy

Mimic RFC 8040 restconf:

```
RPC:
POST /c
{ reboot-sid:
  { input-sid:
    { delay-sid : 600,
      message-sid : "Going down for system maintenance",
      language-sid : "en-US"
    }
  }
}

action:
POST /c
{ [interfaces-reset-sid, "eth0"]:
  { input-sid:
    { delay-sid: 600
    }
  }
}
```

Eliminate redundancy:

```
RPC:
POST /c
{ reboot-sid:
  { delay-sid : 600,
    message-sid : "Going down for system maintenance",
    language-sid : "en-US"
  }
}

action:
POST /c
{ [interfaces-reset-sid, "eth0"]:
  { delay-sid: 600
  }
}
```

# Timeline: COMI

- ~~discuss -13 on list, possibly at 2023-07-05 interim~~
  - [ ] update with new PYANG-generated SID file?
  - [ ] validate!
- [ ] fix todos; make POST format decision
- ~~WGLC W27 (right after interim) or earlier~~
- WGLC?
- discuss at 117
- WGLC?
- submit to IESG

# mext



finish yang-library

transcend XML: binary formats (IP addresses, dates, etc.)