

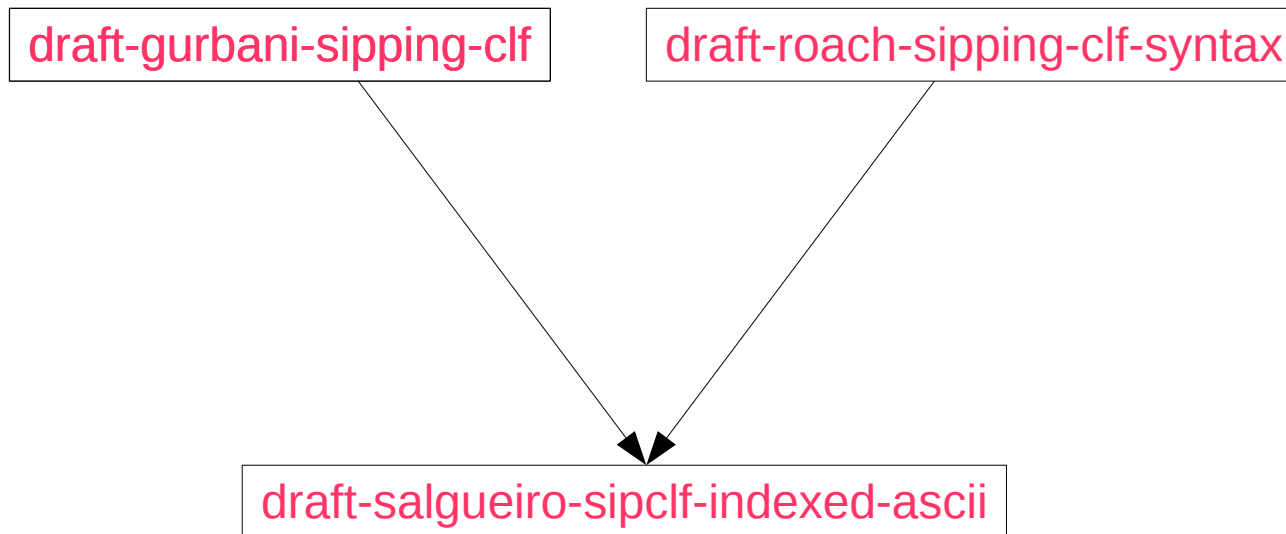


Indexed file format for the Session Initiation Protocol (SIP)  
draft-salgueiro-sipclf-indexed-ascii-01  
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# Indexed-ASCII

- Brief history:

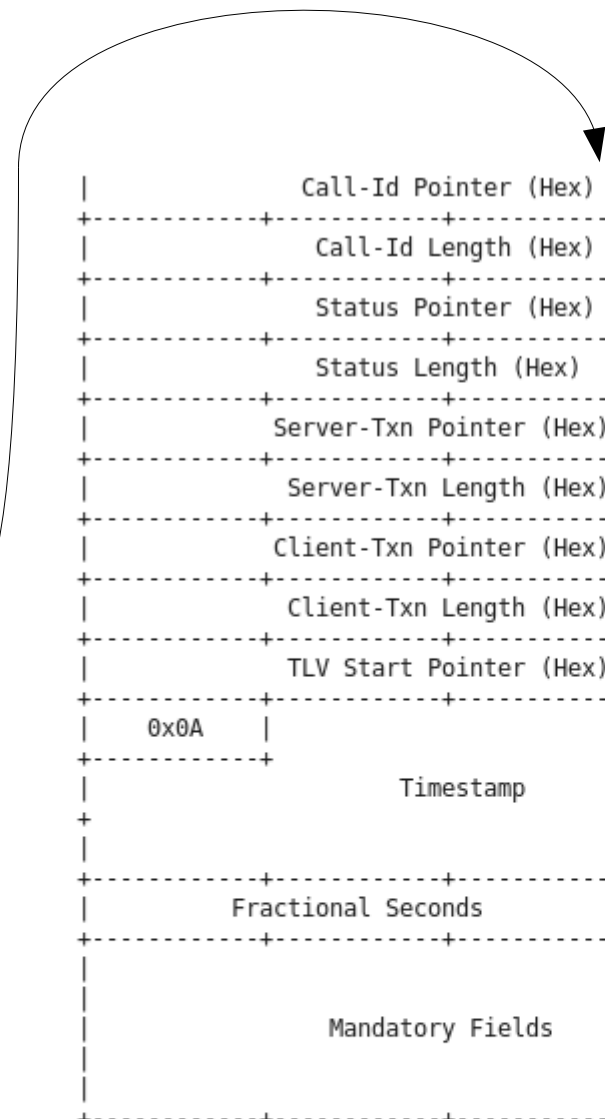


# CLF layout

0	7	8	15	16	23	24	31
Version		Record Length				0 - 3	
Record Length (cont)				0x2C		4 - 7	
Flags Field				0x2C		8 - 11	
CSeq Pointer (Hex)				12 - 15			
CSeq Length (Hex)				16 - 19			
R-URI Pointer (Hex)				20 - 23			
R-URI Length (Hex)				24 - 27			
Destination:port:xport Pointer (Hex)				28 - 31			
Destination:port:xport Length (Hex)				32 - 35			
Source:port:xport Pointer (Hex)				36 - 39			
Source:port:xport Length (Hex)				40 - 43			
To Pointer (Hex)				44 - 47			
To Length (Hex)				48 - 51			
From Pointer (Hex)				52 - 55			
From Length (Hex)				56 - 59			

Call-Id Pointer (Hex)				60 - 63			
Call-Id Length (Hex)				64 - 67			
Status Pointer (Hex)				68 - 71			
Status Length (Hex)				72 - 75			
Server-Txn Pointer (Hex)				76 - 79			
Server-Txn Length (Hex)				80 - 83			
Client-Txn Pointer (Hex)				84 - 87			
Client-Txn Length (Hex)				88 - 91			
TLV Start Pointer (Hex)				92 - 95			
0x0A						96 - 99	
Timestamp				100 - 103			
				0x2E		104 - 107	
Fractional Seconds				0x09		108 - 111	
Mandatory Fields							
0x09		Tag (Hex)					
Tag (cont)		0x2C		Length (Hex)			
Length (cont)				0x2C			
Value							
0x0A							

Repeated as many times as necessary



# Indexed ASCII

- Tracks draft-ietf-sipclf-problem-statement closely.
- Example:

```
INVITE sip:bob@biloxi.com SIP/2.0
Via: SIP/2.0/UDP pc33.atlanta.com;branch=z9hG4bKnashds8
Max-Forwards: 70
To: Bob <sip:bob@biloxi.com>
From: Alice <sip:alice@atlanta.com>;tag=1928301774
Call-ID: a84b4c76e66710
CSeq: 314159 INVITE
Contact: <sip:alice@pc33.atlanta.com>
Content-Type: application/sdp
Content-Length: 142
```



```
A000174,Ros,0084,000D,0092,0012,00A5,0013,00B9,0014,00CE,
0018,00E7,002C,0114,000E,0123,0001,0125,0001,0127,000E,0136

1278629563.323 314159 INVITE sip:bob@biloxi.com
biloxi.com:5060:udp atlanta.com:5060:udp
Bob <sip:bob@biloxi.com>
Alice <sip:alice@atlanta.com>;tag=1928301774
a84b4c76e66710 - - z9hG4bKnashds8
0000,001C,<sip:alice@pc33.atlanta.com>
0001,000C,192.168.1.15
```

# Open issues

- Issue 1\*:
  - Move length/pointer block after the mandatory fields?
- Issue 2\*:
  - For mandatory fields, do we need both pointer and length?

\* <http://www.ietf.org/mail-archive/web/sipclf/current/msg00201.html>

# Next steps

- Where do we go next with this draft?
  - Need more eyes looking at it.
  - Working group item for “SIP Common Log Format specification WGLC” item?
- Thanks!