



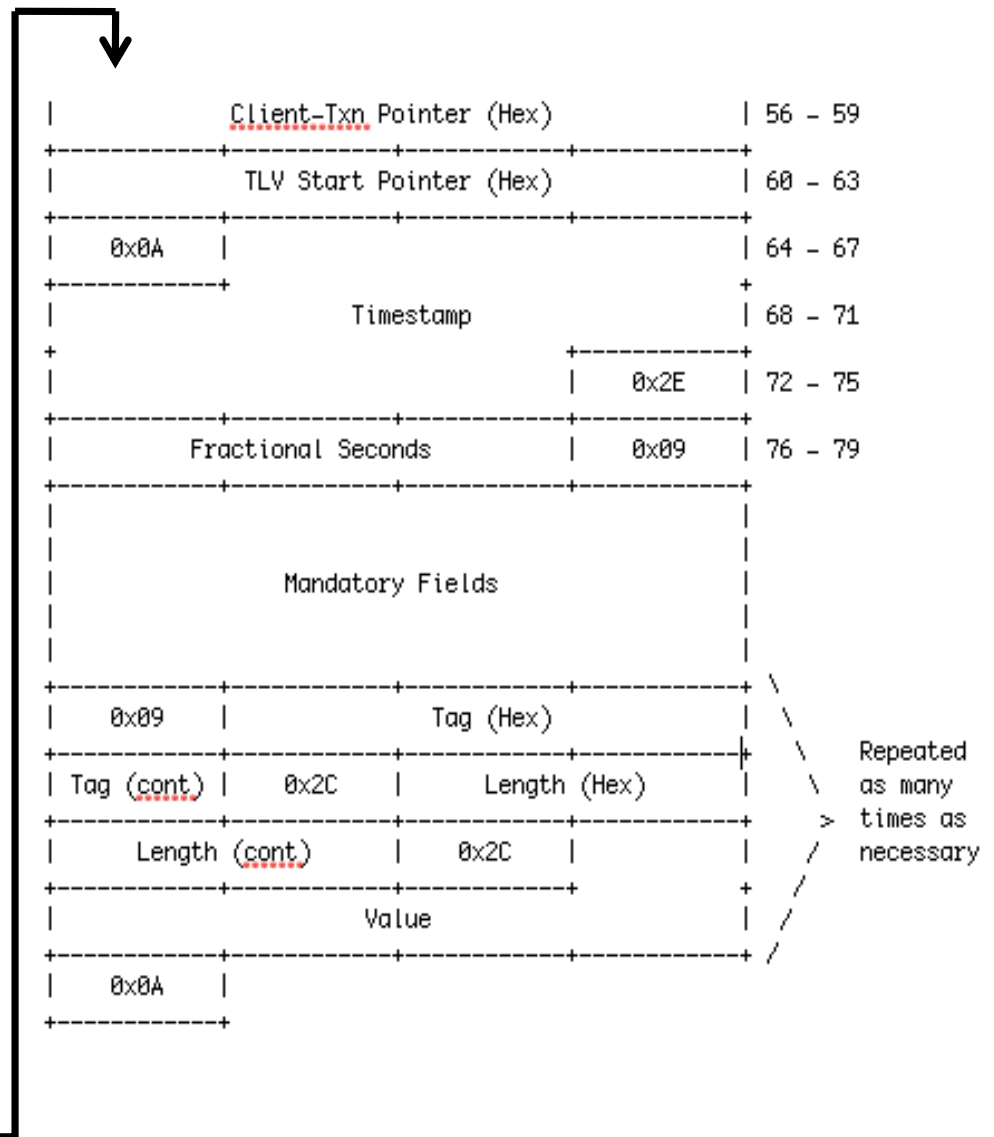
Indexed File Format for the Session Initiation Protocol (SIP) Common Log Format (CLF)

draft-salgueiro-sipclf-indexed-ascii-02
(G. Salgueiro, V. Gurbani, and A. B. Roach)

Presenter: Adam B. Roach
IETF 79, Beijing, China
November 9, 2010

Current Indexed-ASCII CLF Format

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	
Response Status-Code Pointer (Hex)						16 - 19	
R-URI Pointer (Hex)						20 - 23	
Destination IP address:port Pointer (Hex)						24 - 27	
Source IP address:port Pointer (Hex)						28 - 31	
To URI Pointer (Hex)						32 - 35	
To Tag Pointer (Hex)						36 - 39	
From URI Pointer (Hex)						40 - 43	
From Tag Pointer (Hex)						44 - 47	
Call-Id Pointer (Hex)						48 - 51	
Server-Txn Pointer (Hex)						52 - 55	



Indexed-ASCII Sample CLF Record

- Example:

```
INVITE sip:192.168.217.74 SIP/2.0
To: <sip:192.168.217.74>
Call-ID: DL70dff590c1-1079051554@petermac.magor.local.
From: "PeterM" <sip:1001@petermac.magor.local.:5060>;tag=DL88360fa5fc;
    epid=0x34619b0
CSeq: 1 INVITE
Max-Forwards: 70
Via: SIP/2.0/TCP 192.168.217.117:5060;branch=z9hG4bK-1f6be070c4-DL
Contact: "1001" <sip:1001@192.168.217.117:5060>
Allow: INVITE,CANCEL,ACK,OPTIONS,INFO,SUBSCRIBE,NOTIFY,BYE,MESSAGE,
    UPDATE,REFER
Supported: replaces,norefersub
User-Agent: Dylogic Mirial 7.0.33
Content-Type: application/sdp
Content-Length: 418

v=0
o=1001 1456139204 0 IN IP4 192.168.217.117
S=-
i=Dylogic Mirial 7.0.33
c=IN IP4 192.168.217.117
b=AS:2048
t=0 0
m=audio 13756 RTP/AVP 0 101
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-16
a=x-mpdp:192.168.217.117:13756
m=video 13758 RTP/AVP 96
a=rtpmap:96 H264/90000
a=fmtp:96 profile-level-id=420015; max-mbps=47520; max-fs=1584;
    max-dpb=7680
a=x-mpdp:192.168.217.117:13758
```



```
A000120,Rou,0051005A005C006F0083009900AC00AE00D200DF010D01170000
000000000.010 1 INVITE - sip:192.168.217.74
192.168.217.74:5060 192.168.217.117:56485
sip:192.168.217.74 - sip:1001@petermac.magor.local.:5060
DL88360fa5fc DL70dff590c1-1079051554@petermac.magor.local.
server-tx client-tx
```

Note: Torture test logging examples were sent on the mailing list

Major Changes in the -02 Draft

- Removed the length from the pointer/length pairs (field length can be obtained from the difference between consecutive pointer values)
- Split the single To field into separate URI and Tag fields
- Split the single From field into separate URI and Tag fields

Major Changes in the -02 Draft

- Removed protocol transport from source and destination address:port:xport and moved it to the flags field
- Moved the Response Status-Code field to immediately after the CSeq

Open Issues

- The group has come to an agreement that logging message bodies is undesirable.
- Is it acceptable for a particular implementation to optionally allow for it (i.e. as the TLV extension in Indexed-ASCII draft)?

Thanks!