

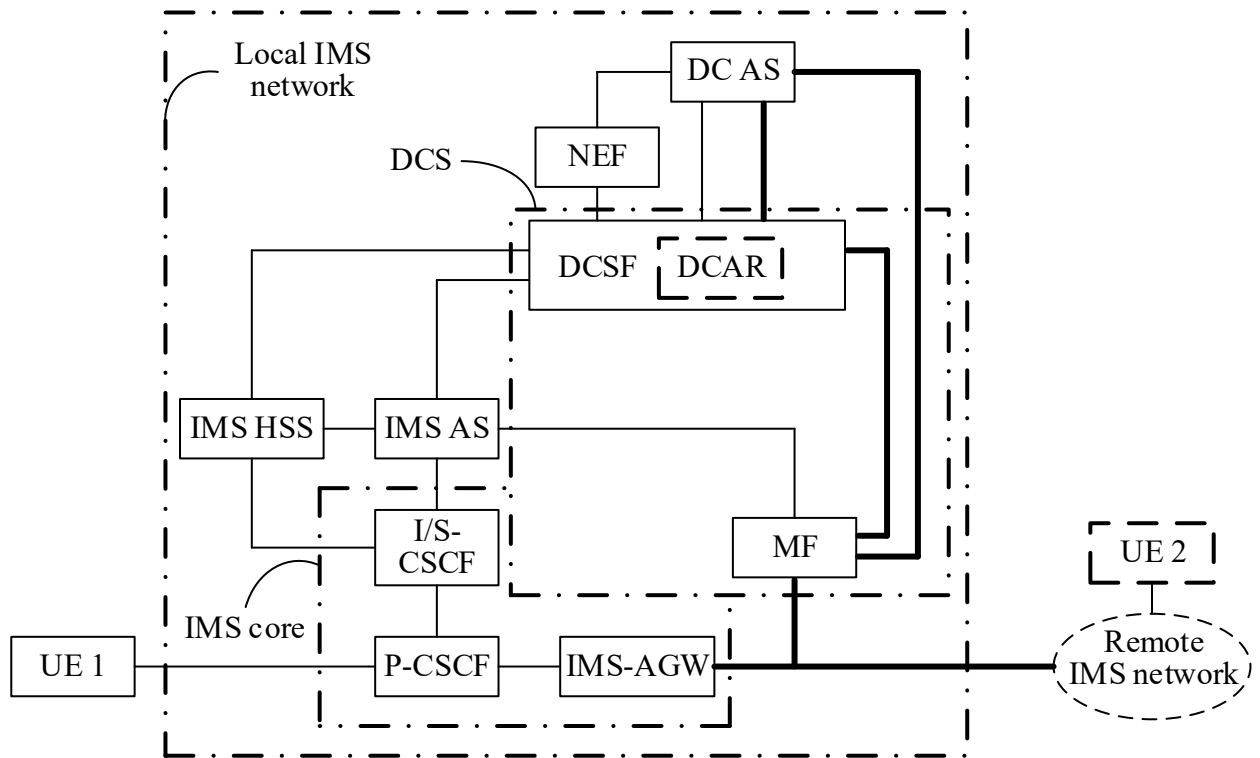


FIG. 1

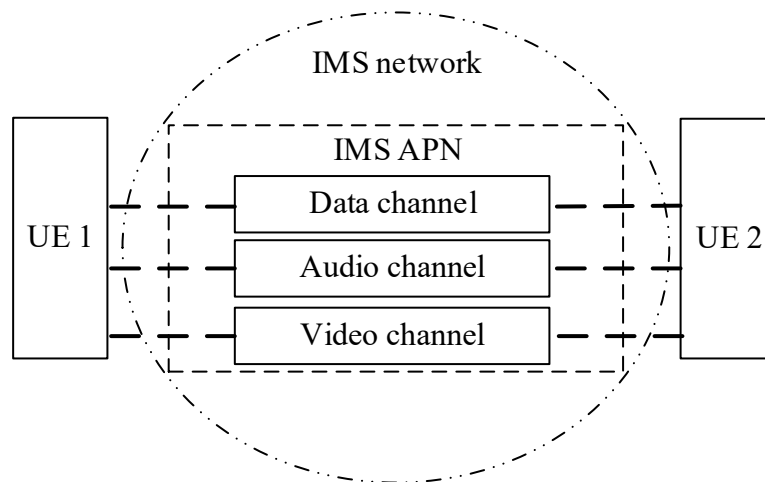


FIG. 2

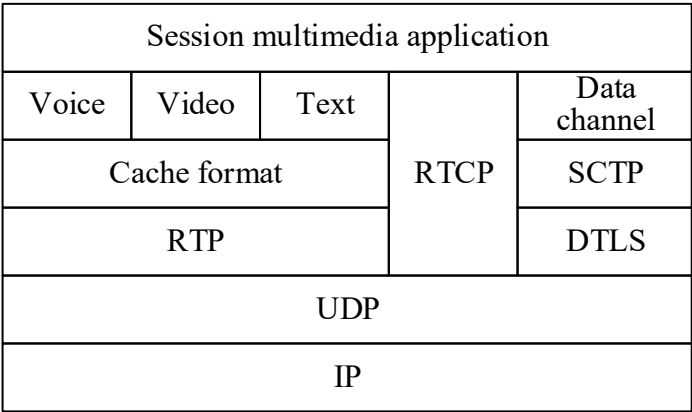


FIG. 3

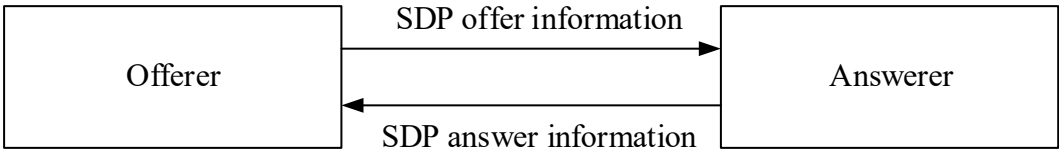


FIG. 4

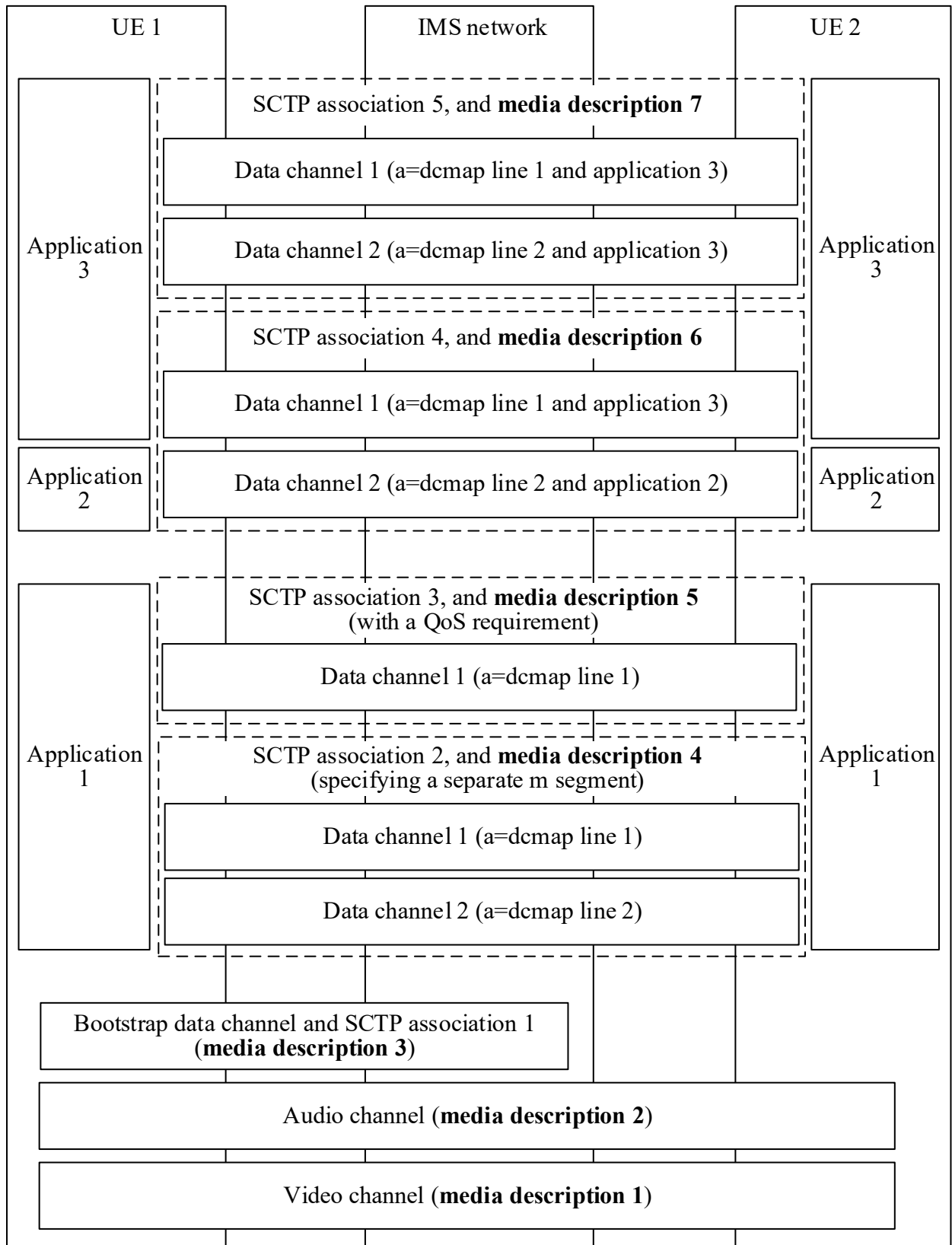


FIG. 5

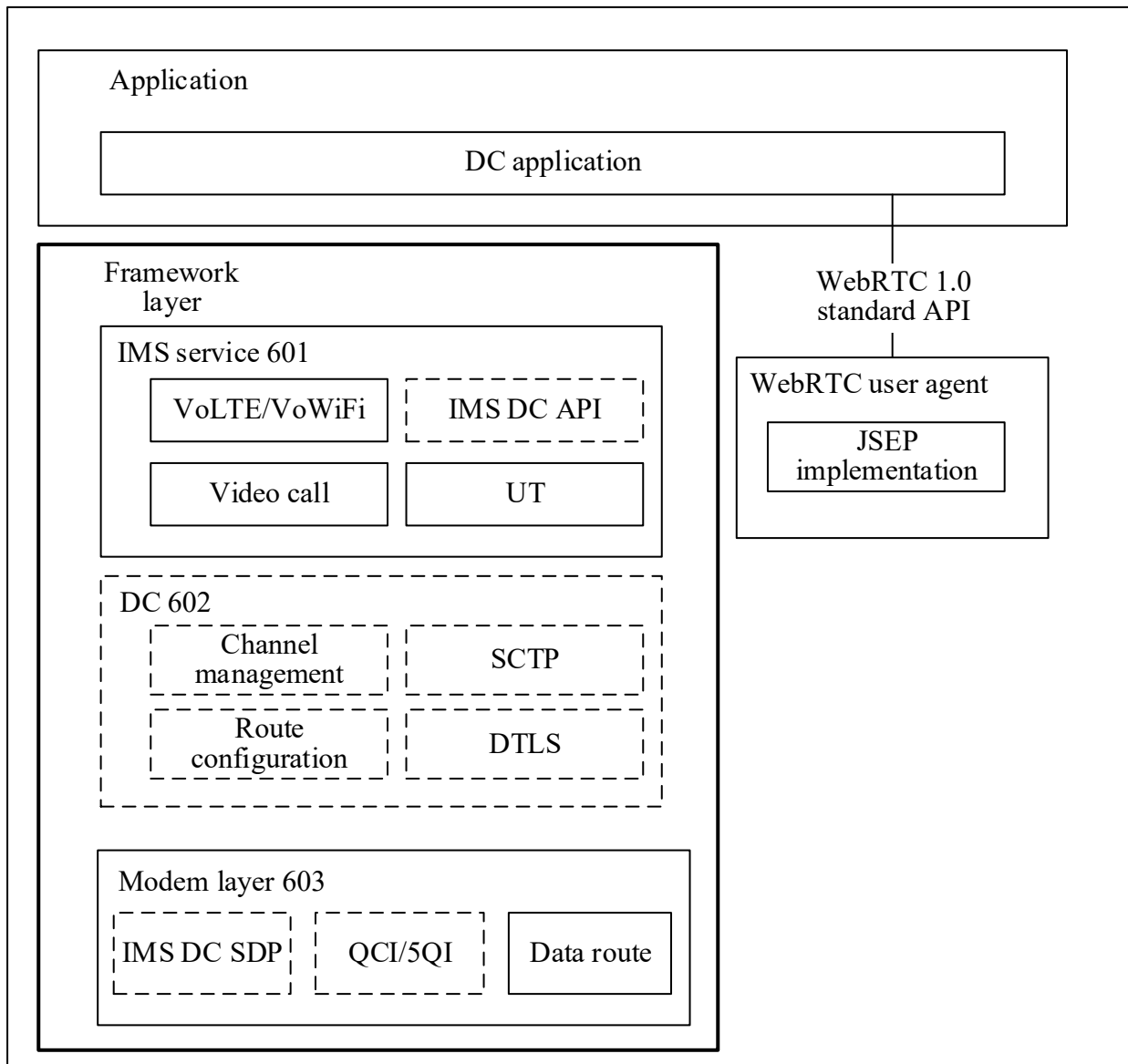


FIG. 6

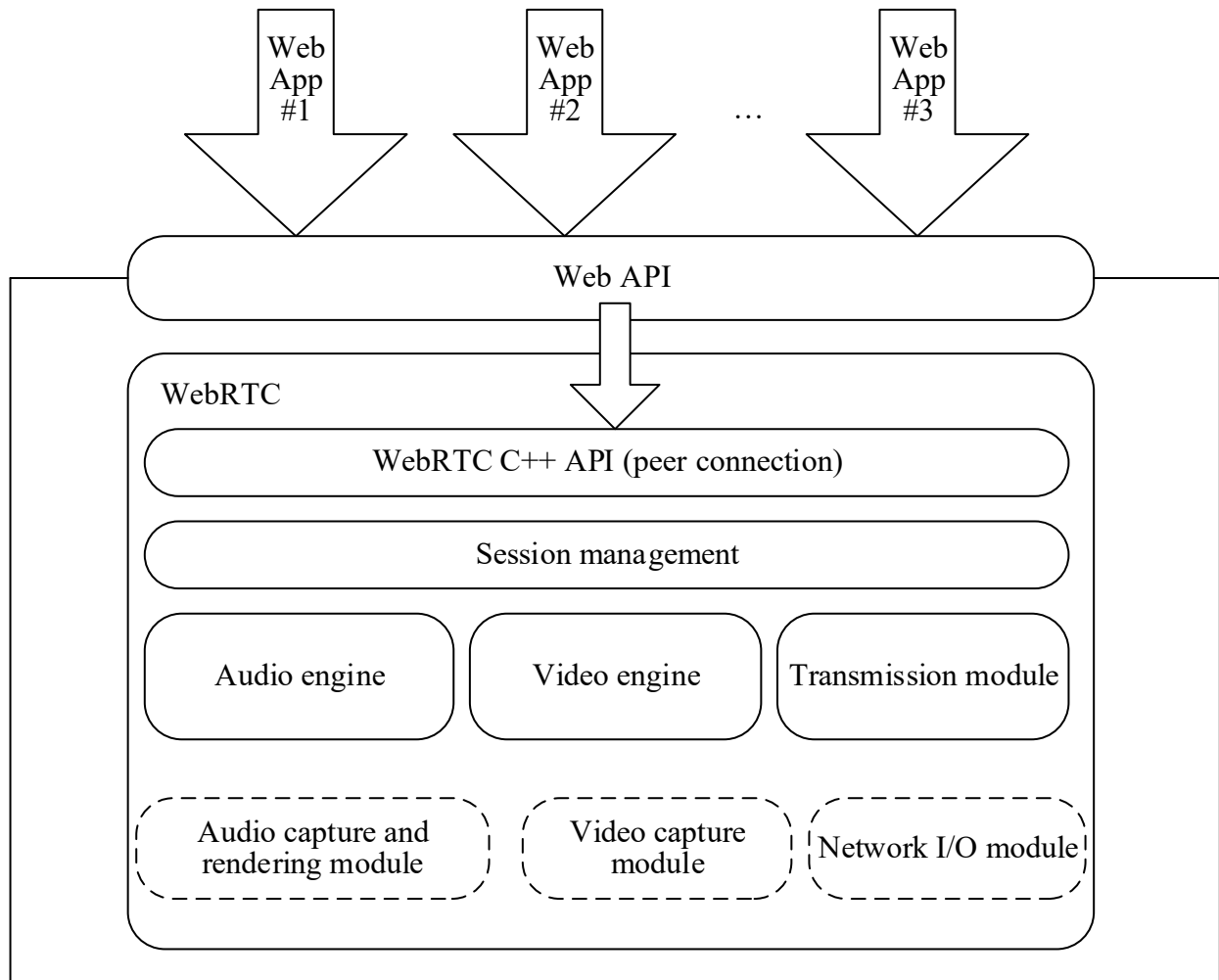


FIG. 7

Example of SDP information

```

v=0 //Protocol version
o=mhandley 2890844526 2890842807 IN IP4 126.16.64.4 //Include a parameter
related to a session owner
s=SDP Seminar //Represent a title of a current session
c=IN IP4 224.2.17.12/127 //Information about a connection established for a
multimedia session
t=2873397496 2873404696 //Start time and end time of the session
--Above shows session-level descriptions, and below shows media-level descriptions--
m=audio 3458 RTP/AVP 0 96 97 //1st media segment, where audio represents audio,
a=rtpmap:0 //Media attribute line
a=rtpmap:96 G726-32/8000
a=rtpmap:97 AMR-WB
m=video 3400 RTP/AVP 98 99 //2nd media segment, where video represents video
a=rtpmap:98 MPV
a=rtpmap:99 H.261
m=application 10001 UDP/DTLS/SCTP webrtc-datachannel //3rd media segment,
where application represents a data channel
c=IN IP4 192.0.2.1 //Connection information in an m segment, where IN represents the
Internet, an IP address type is IPv4, and an IP address is 192.0.2.1
a=... //a attribute line in the m segment
a=dcmap:1001 subprotocol="bfc" //Represent a 1st data channel in an SCTP
association, where "bfc" is a name of an application layer protocol used by an IMS DC
application for transmission of data through the 1st data channel
a=dcmap:1002 subprotocol="msrp" //Represent a 2nd data channel in the SCTP
association, where "msrp" is a name of an application layer protocol used by the IMS DC
application for transmission of data through the 2nd data channel

```

FIG. 8

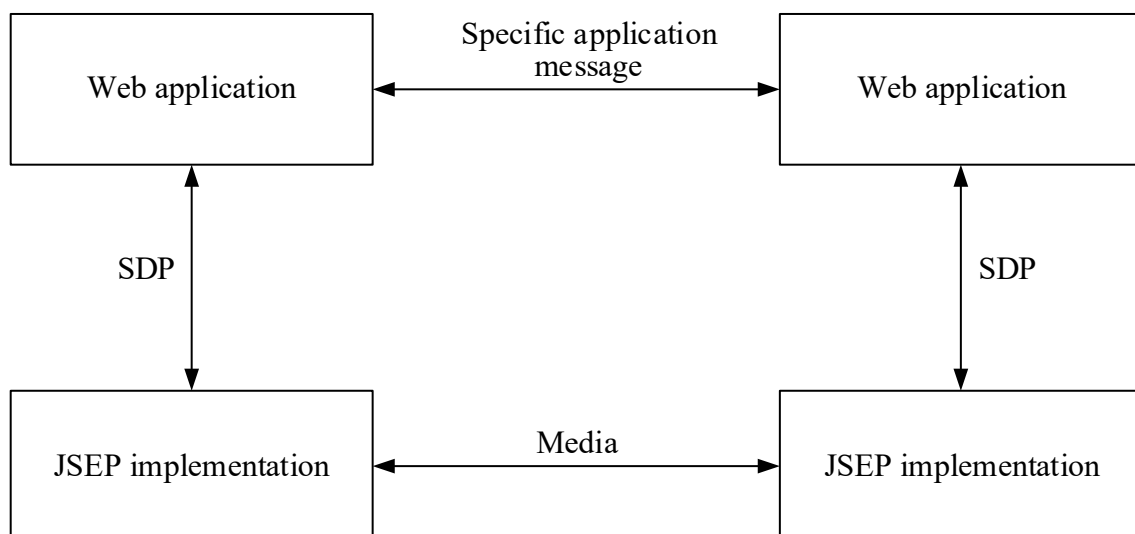


FIG. 9

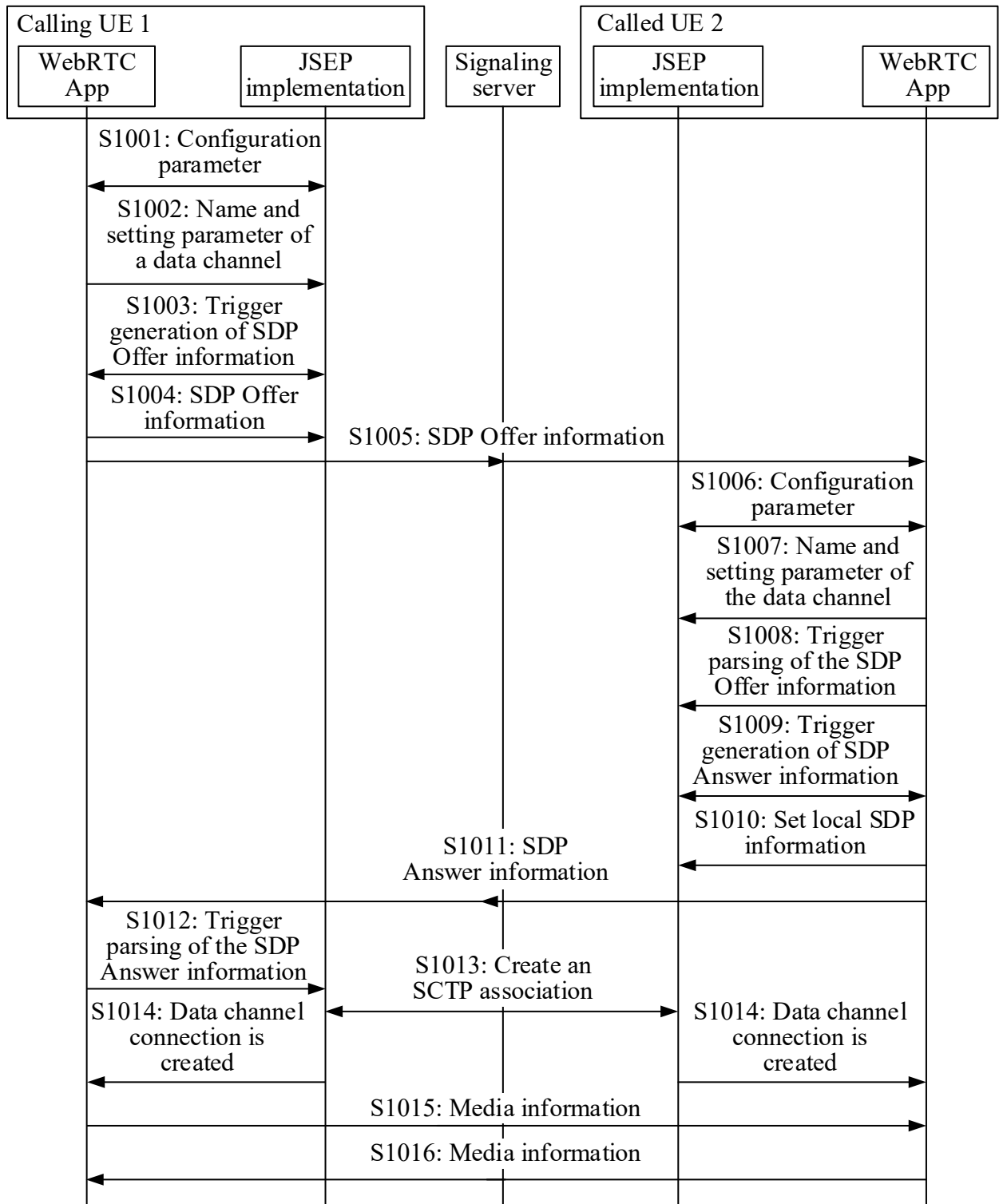


FIG. 10

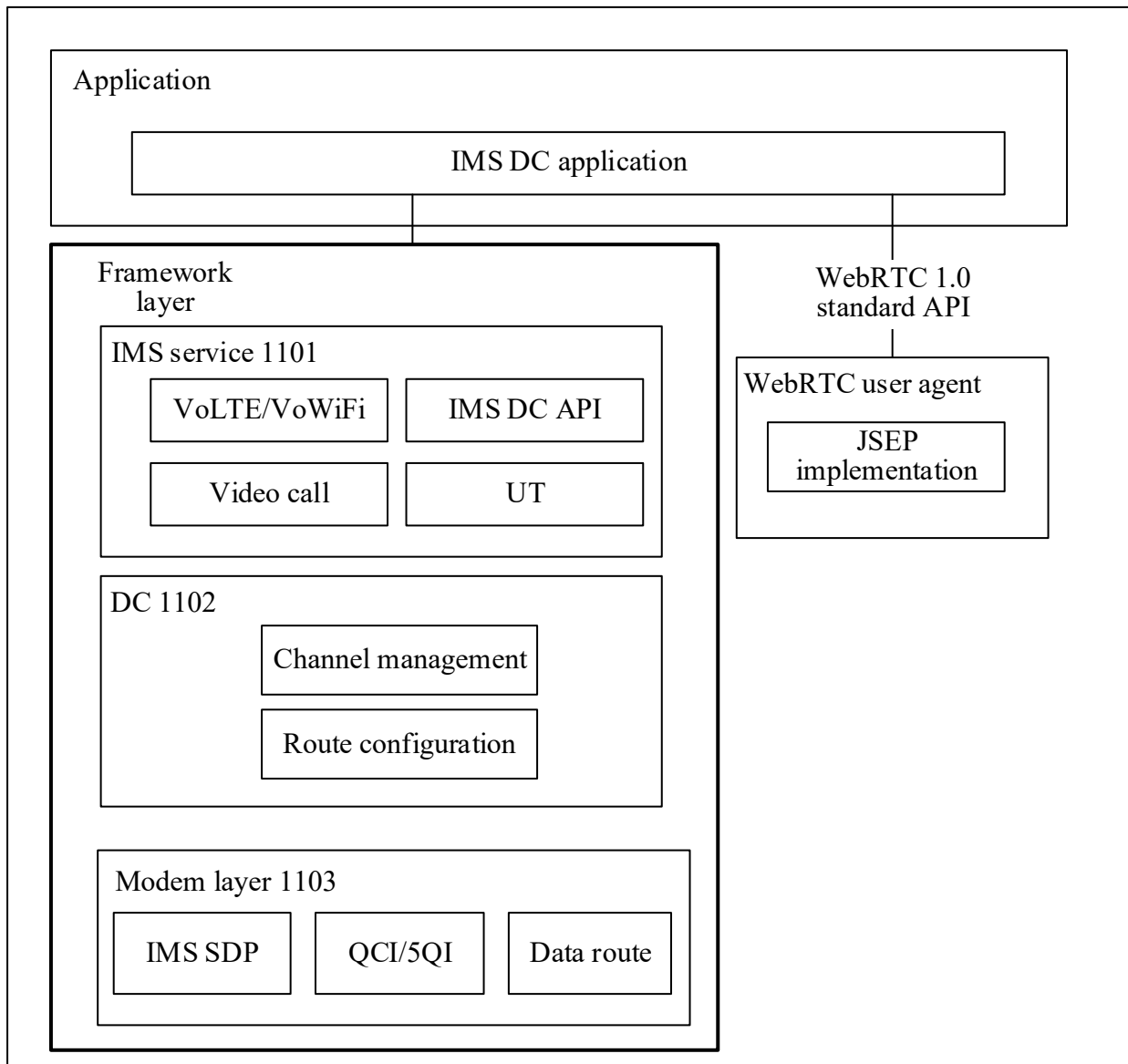


FIG. 11

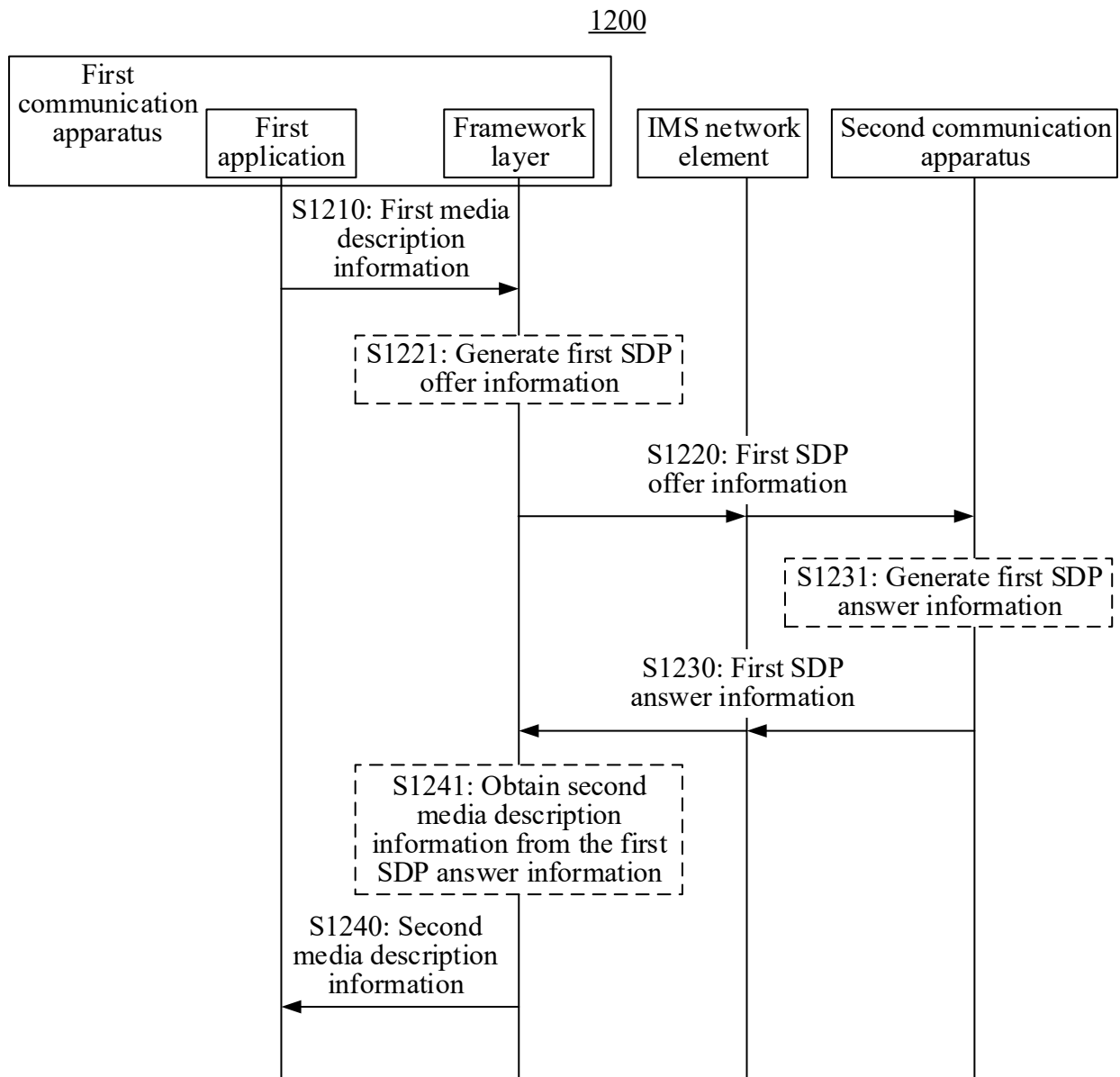


FIG. 12

Example of a correspondence between a first application and a first data channel

```

m=application 10001 UDP/DTLS/SCTP webrtc-datachannel
c=IN IP4 192.0.2.1 //Connection information in an m segment
a=... //a attribute line in the m segment
a=3gpp-req-app: "application1" app-stream-id=1001 //second attribute line
a=dcmapp:1001 subprotocol="bfc" //first attribute line
  
```

FIG. 13

Example of a correspondence between a first application and a first data channel

```
m=application 10001 UDP/DTLS/SCTP webrtc-datachannel
c=IN IP4 192.0.2.1 //Connection information in an m segment
a=... //a attribute line in the m segment
a=dcmap:1001 subprotocol="bfcf";label="application1" //third attribute line
```

FIG. 14

Example of a QoS parameter

```
m=application 10001 UDP/DTLS/SCTP webrtc-datachannel
c=IN IP4 192.0.2.1 //Connection information in an m segment
a=... //a attribute line in the m segment
a=3gpp-qos-hint:loss=0.01;latency=100 //Represent a first QoS parameter set
a=dcmap:1001 subprotocol="bfcf" //Represent a 1st data channel in an SCTP
association
a=dcmap:1002 subprotocol="msrp" //Represent a 2nd data channel in the SCTP
association
```

FIG. 15

Example of a QoS parameter and a correspondence between a first application and a first data channel

```
m=application 10001 UDP/DTLS/SCTP webrtc-datachannel
c=IN IP4 192.0.2.1 //Connection information in an m segment
a=... //a attribute line in the m segment
a=3gpp-qos-hint:loss=0.01;latency=100
a=3gpp-req-app:"application1" app-stream-id=1001
a=dcmap:1001 subprotocol="bfcf" //Represent a data channel in an SCTP association
```

FIG. 16

Example of a QoS parameter and a correspondence between a first application and a first data channel

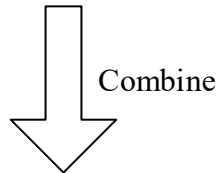
```
m=application 10001 UDP/DTLS/SCTP webrtc-datachannel
c=IN IP4 192.0.2.1 //Connection information in an m segment
a=... //a attribute line in the m segment
a=3gpp-qos-hint:loss=0.01;latency=100
a=dcmap:1001 subprotocol="bfcf";label="application1"
```

FIG. 17

Example of combining media description information of different data channels

```
m=application 10002 UDP/DTLS/SCTP webrtc-datachannel  
c=IN IP4 192.0.2.1 //Connection information in an m segment  
a=... //a attribute line in the m segment  
a=dcmap:1001 subprotocol="bfcf"  
a=3gpp-req-app:"application1" app-stream-id=1001
```

```
m=application 10002 UDP/DTLS/SCTP webrtc-datachannel  
c=IN IP4 192.0.2.1 //Connection information in an m segment  
a=... //a attribute line in the m segment  
a=dcmap:3874 subprotocol="http"  
a=3gpp-req-app:"application2" app-stream-id=3874
```



```
m=application 10002 UDP/DTLS/SCTP webrtc-datachannel  
c=IN IP4 192.0.2.1 //Connection information in an m segment  
a=... //a attribute line in the m segment  
a=dcmap:3874 subprotocol="http"  
a=dcmap:1001 subprotocol="bfcf"  
a=3gpp-req-app:"application1" app-stream-id=1001  
a=3gpp-req-app:"application2" app-stream-id=3874
```

FIG. 18

Example of splitting media description information of different data channels

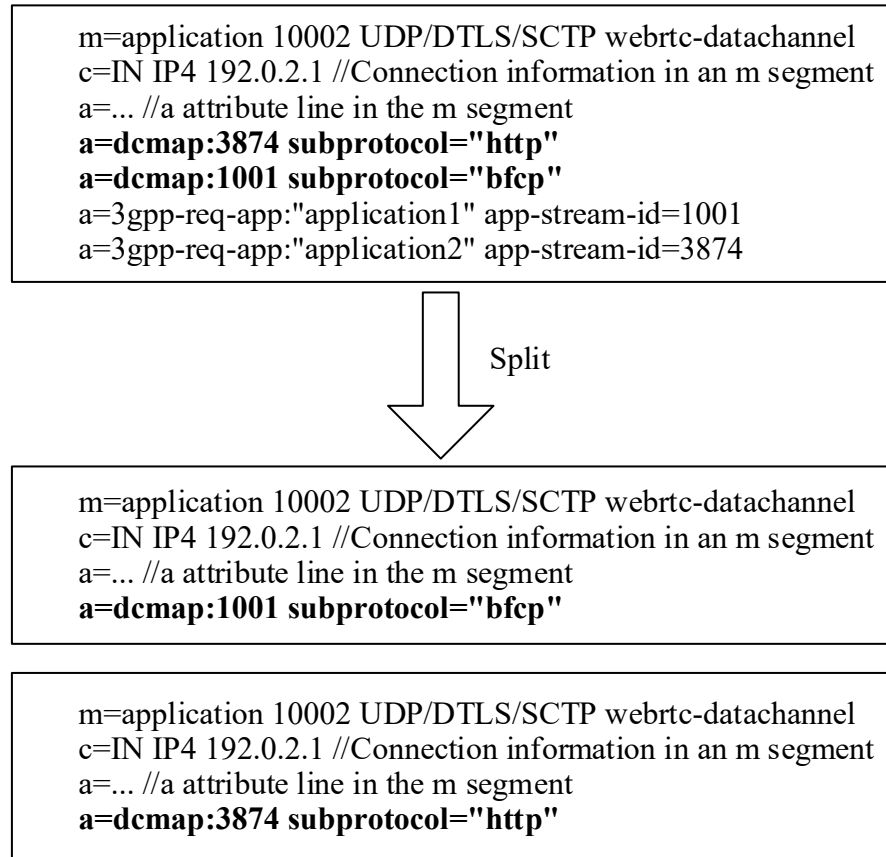


FIG. 19

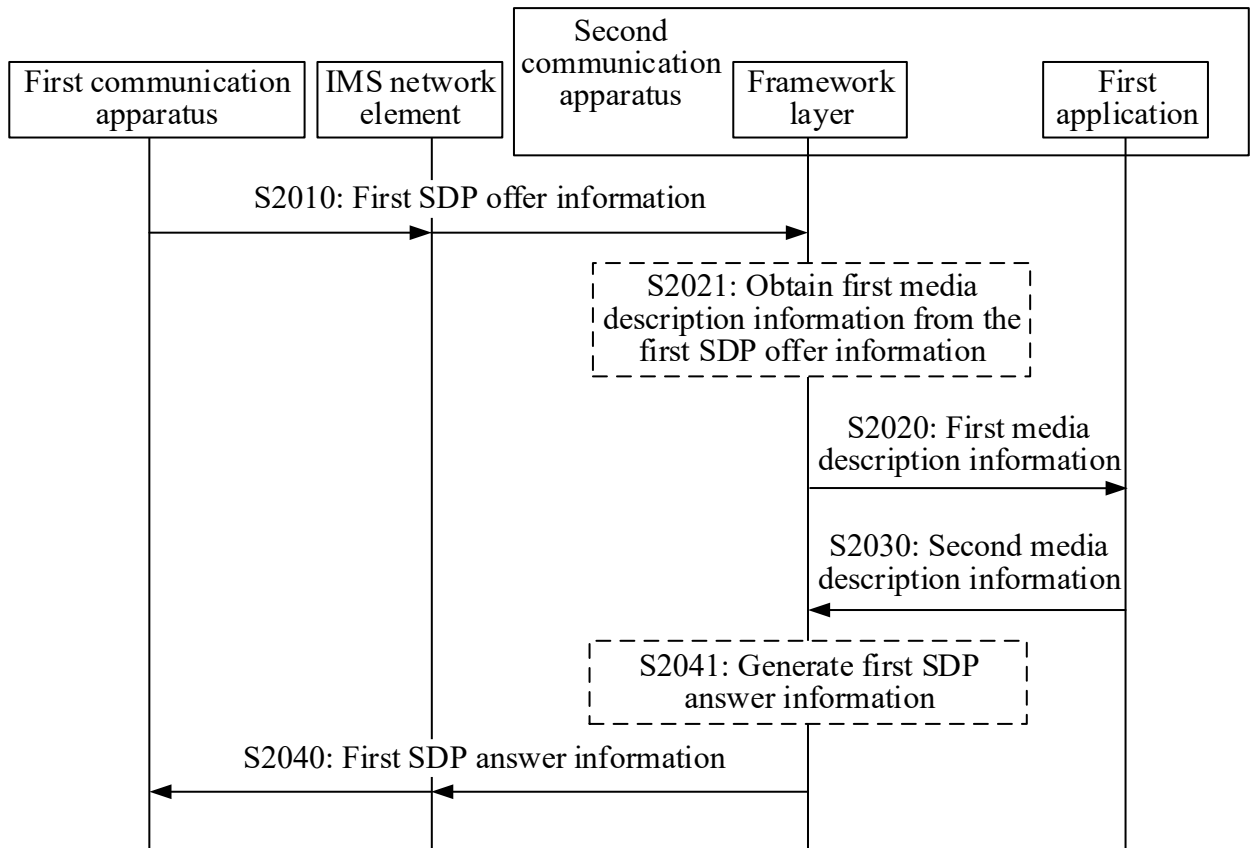


FIG. 20

CONT. FROM
FIG. 21A

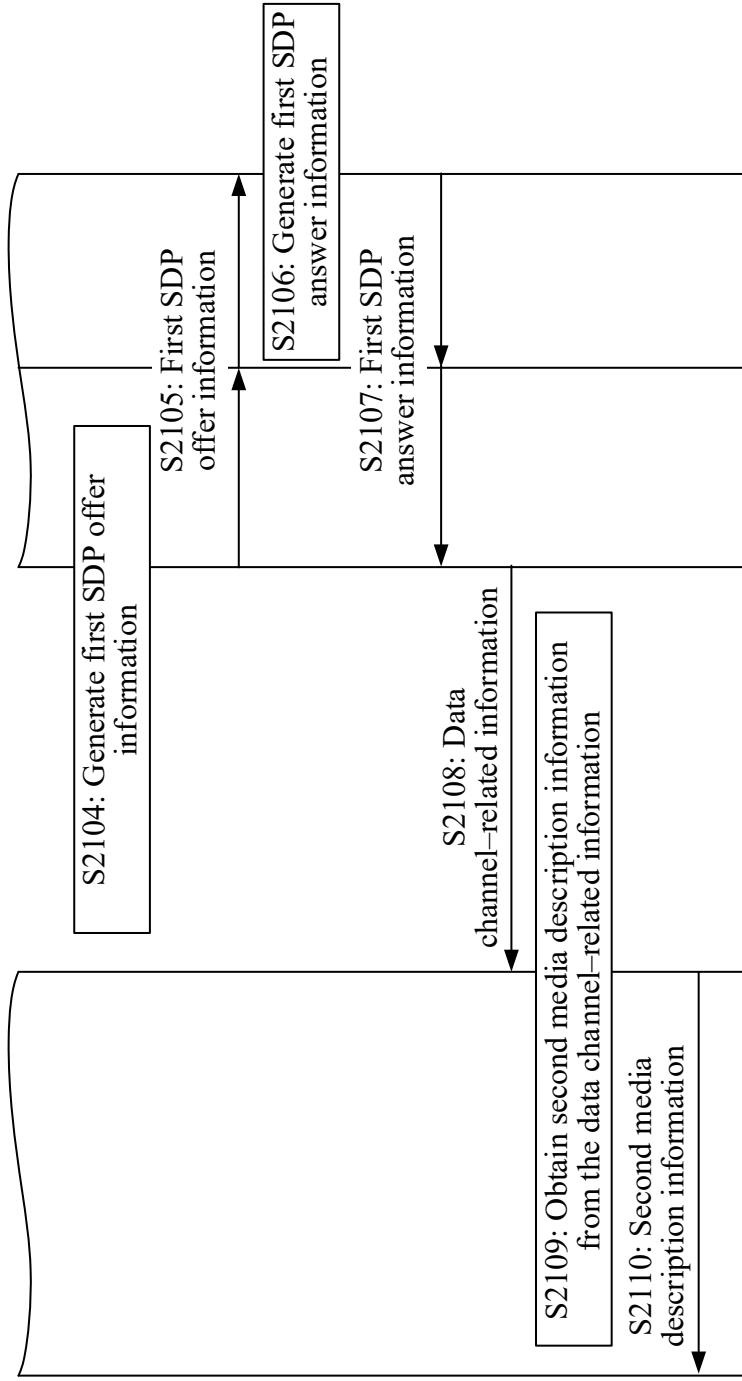
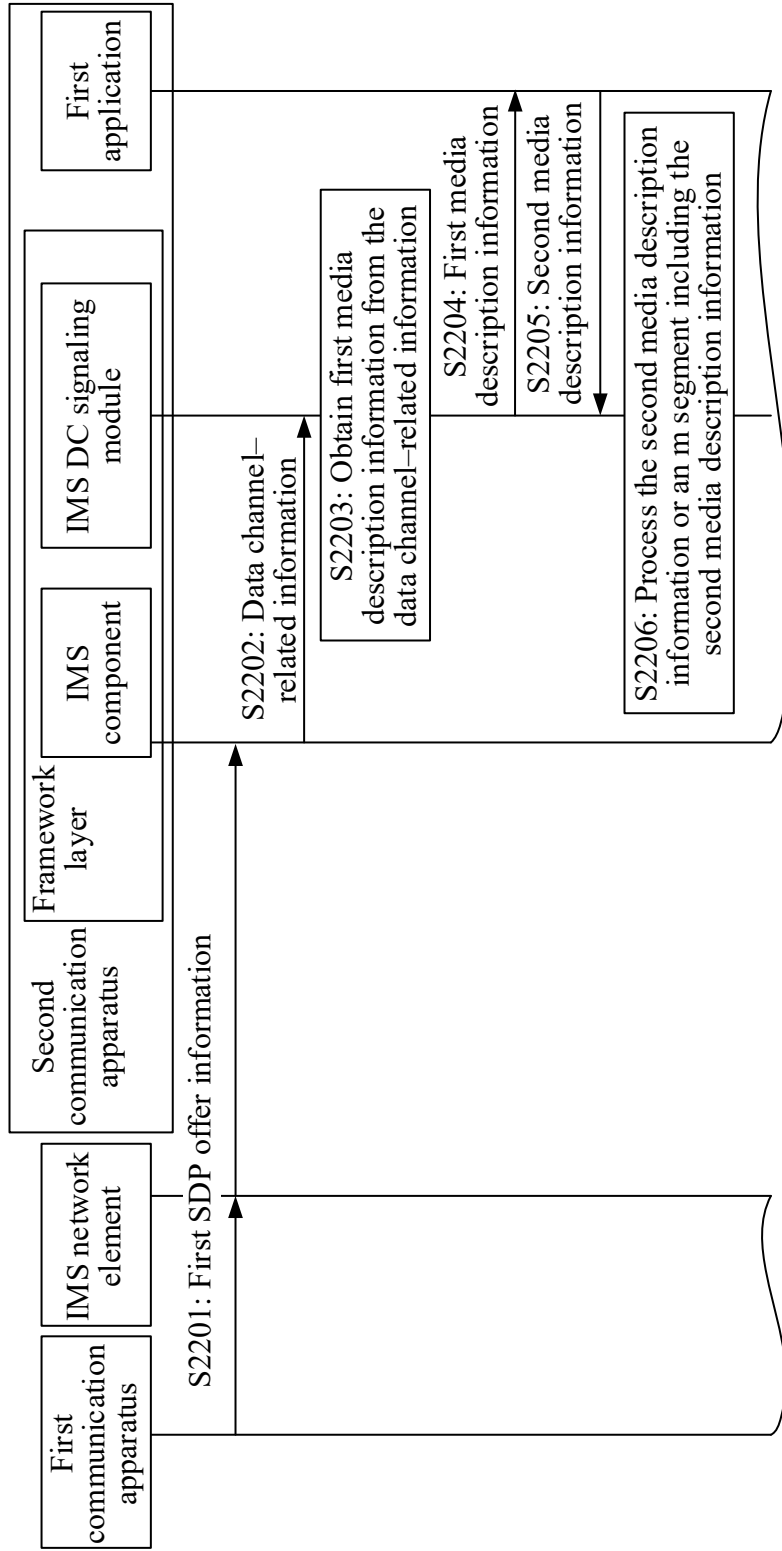


FIG. 21B

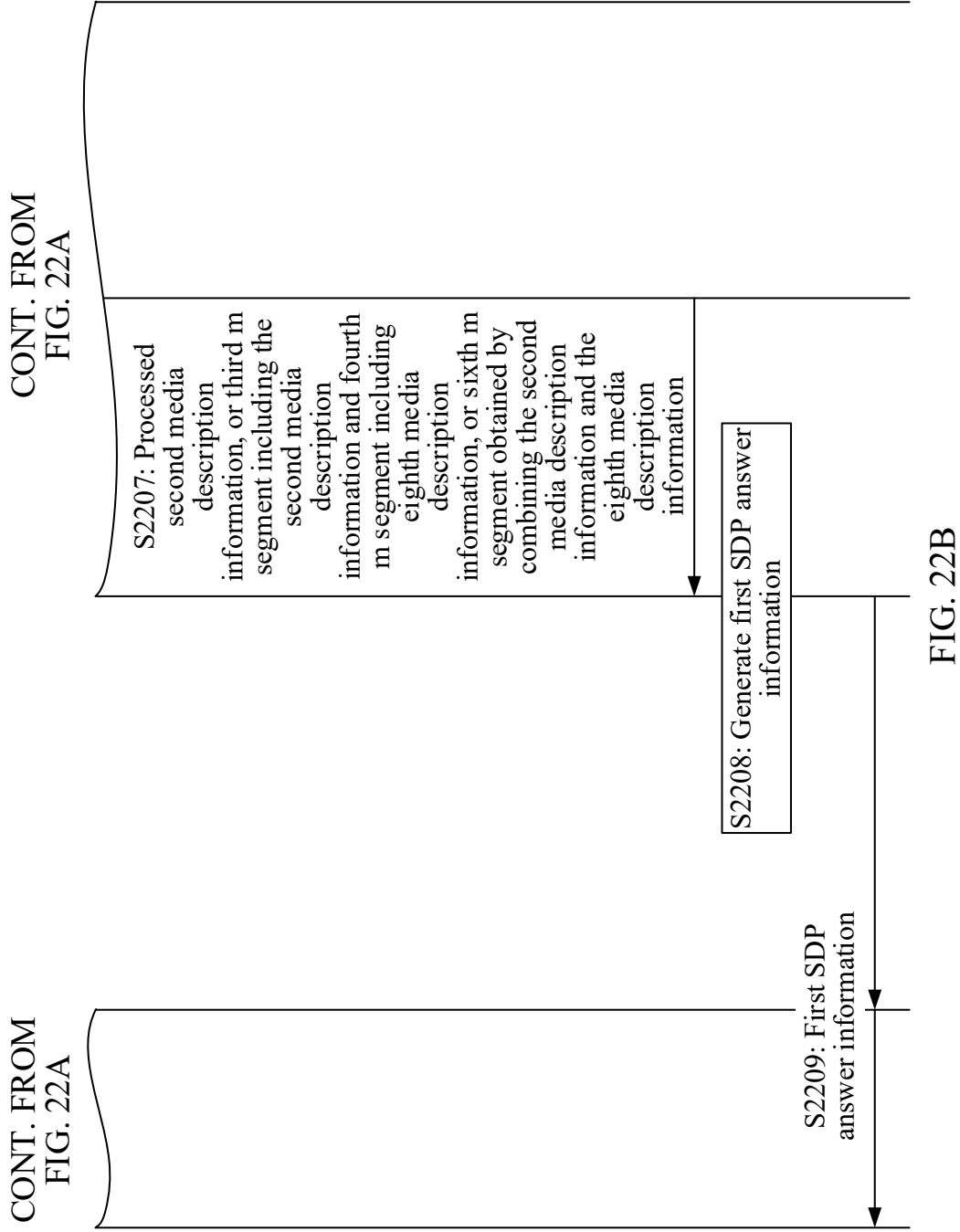
2200



TO FIG. 22B

FIG. 22A

TO FIG. 22B



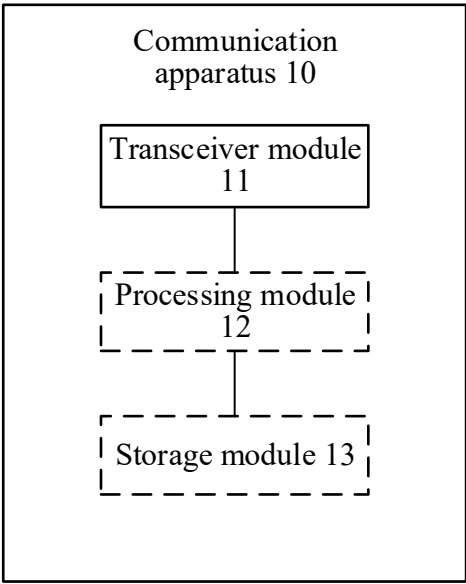


FIG. 23

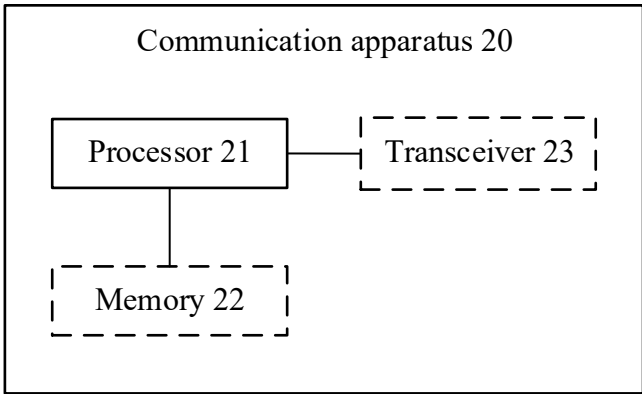


FIG. 24

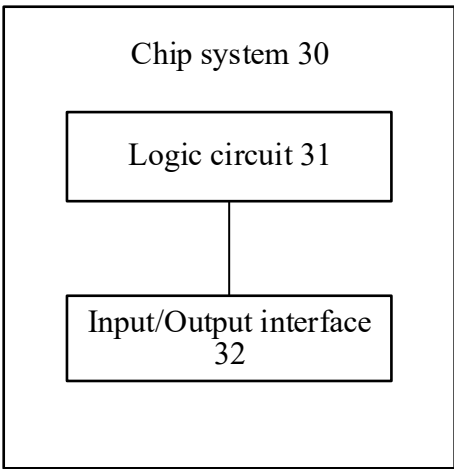


FIG. 25