

Sheet 3 – Voice over IP (VoIP) Signaling Protocols

Question 1:

List the Major Signaling Protocols used for VoIP Traffic?

Question 2:

What are the Major H.323 Signaling Protocol Components?

Question 3:

What are the Major SIP Signaling Protocol Components?

Question 4:

What are the SIP session related protocols?

Question 5:

What are the SIP URI and its format?

Question 6:

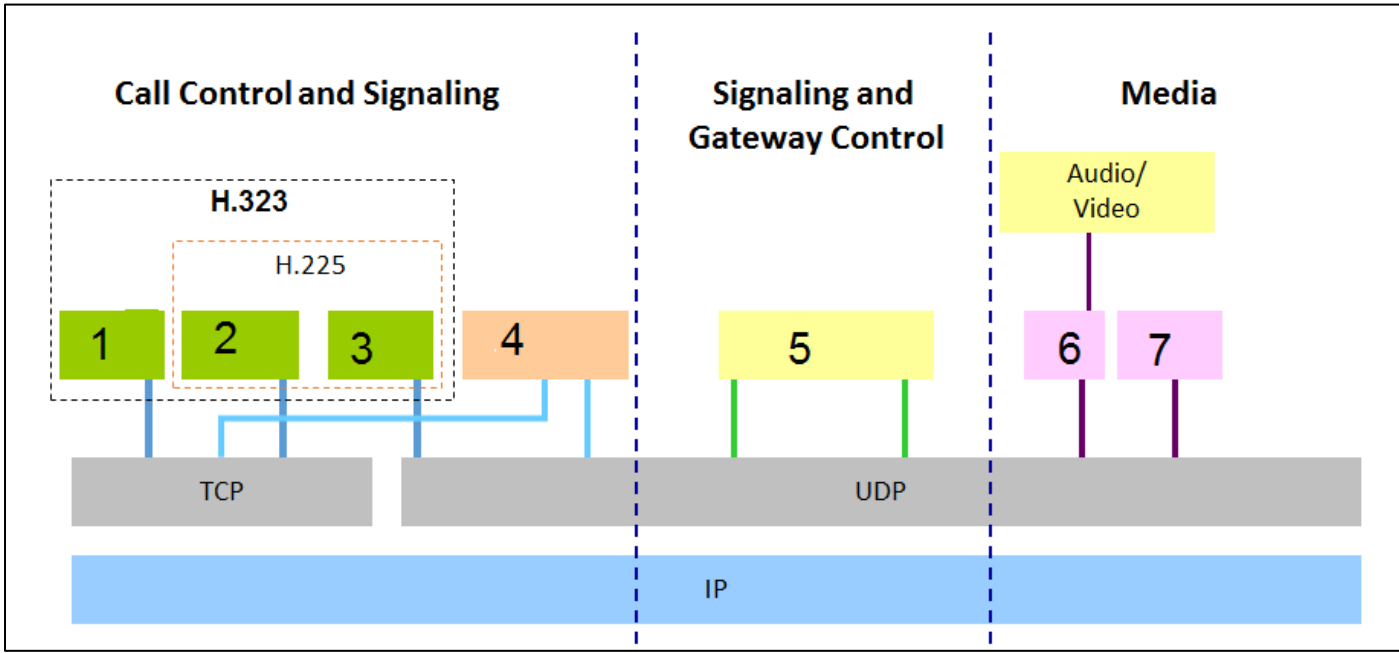
What is the SIP message comprise of?

Question 7:

What are the Major MGCP Signaling Protocol Components?

Question 8:

Complete the below stack for missing protocols 1, 2, 3, 4, 5, 6, 7?



Question 8:

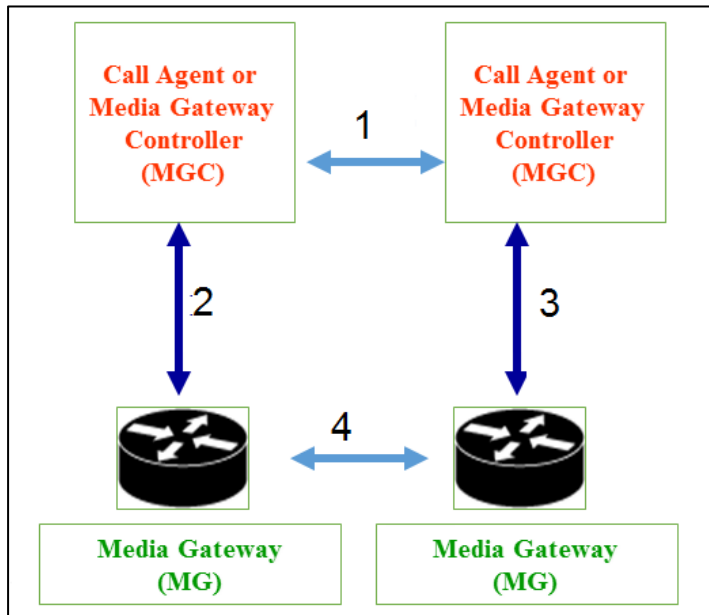
What are the SIP message types?

Question 9:

What is the function of TO, FROM , VIA, MAX-FORWARDS in the SIP Header?

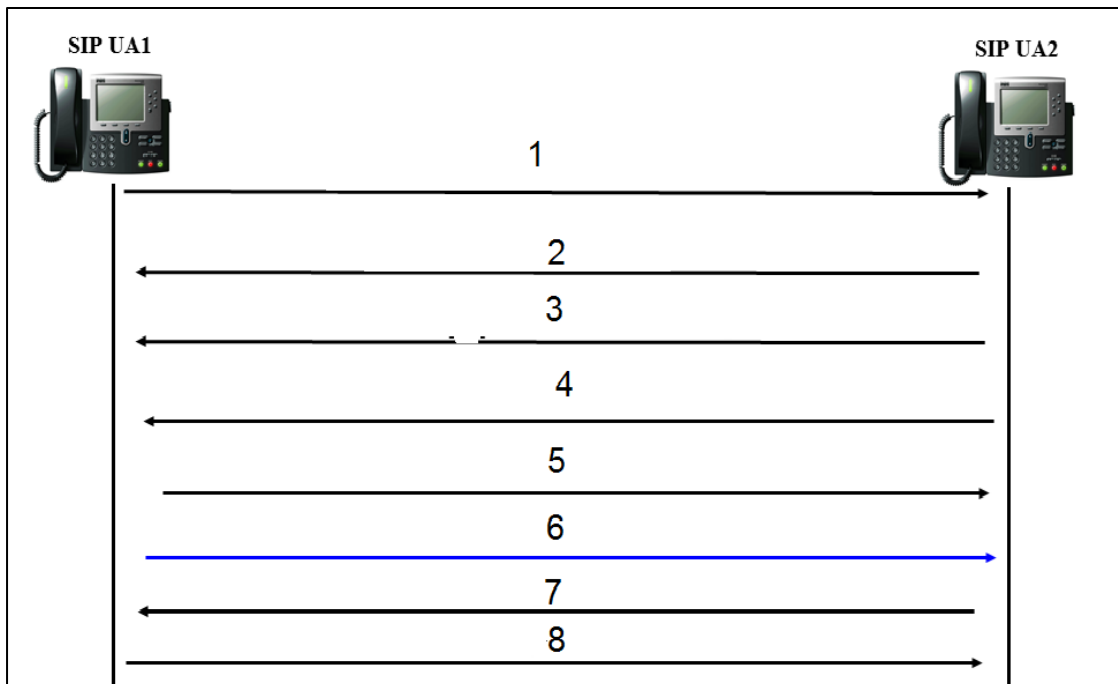
Question 10:

Complete the below missing Protocols 1,2,3,4?



Question 11:

Complete the below SIP Call Scenario Messages 1, 2,3,4,5,6,7,8



Question 12:

List the SIP Requests and Responses.

Question 13:

What is the difference between SIP Transaction and SIP dialogue? Give Examples.

Question 14:

List some methods to test the SIP performance, please propose other methods with your justifications and assure complying with ETSI TS 102 027-2 V6.1.1 or RFC 3261.

Question 15:

Draw the BICC Protocol Stacks IP Based and TDM Based.

Question 16:

What are the differences between BICC and ISUP?

Question 17:

From your opinion what is the best VoIP Signaling Protocol and why?