

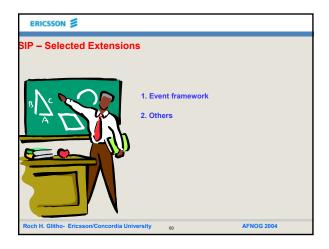
SIP: Examples of messages from the RFC

An example of an OPTIONS message

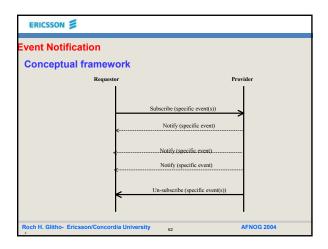
OPTIONS sip:carol@chicago.com SIP/2.0
Via: SIP/2.0/UDP
pc33.atlanta.com;branch=z9hG4bKhjhs8ass877
Max-Forwards: 70
To: <sip:carol@chicago.com>
From: Alice <sip:alice@atlanta.com>;tag=1928301774
Call-ID: a84b4c76e66710
CSeq: 63104 OPTIONS
Contact: <sip:alice@pc33.atlanta.com>
Accept: application/sdp
Content-Length: 0







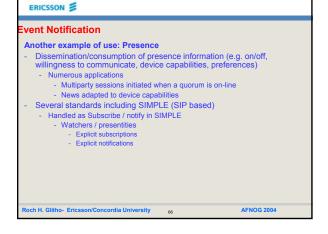
Event Notification Motivation - Necessity for a node to be asynchronously notified of happening (s) in other nodes - Busy / not busy (SIP phones) - A client A can call again a client B when notified that B is now not busy - On-line / Off-line - Buddy list

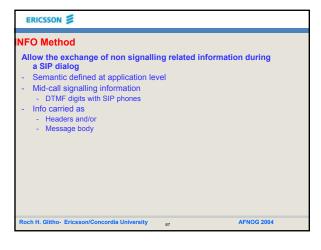


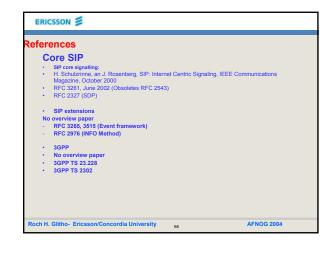
Event Notification The SIP Event Notification Framework - Terminology - Event package: - Events a node can report - Not part of the framework – Part of other RFCs - Subscriber - Notifier - New Messages - Subscribe - Need to be refreshed - Used as well for un-subscribing (expiry value put to zero) - Notify Roch H. Glitho- Ericsson/Concordia University as AFNOG 2004



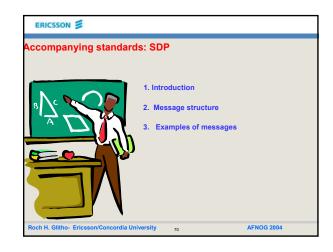
ERICSSON Event Notification An example of use: REFER Method - Recipient should contact a third party using the URI provided in the CONTACT field - Call transfer - Third party call control - Handled as Subscribe / notify - REFER request is considered an implicit subscription to REFER event - Refer-TO: URI to be contacted - Expiry determined by recipient and communicated to sender in the first NOTIFY - Recipient needs to inform sender of the success / failure in contacting the third party

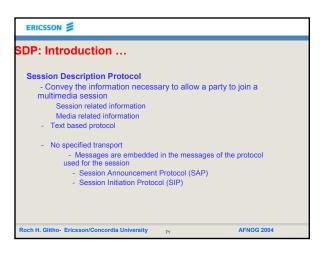


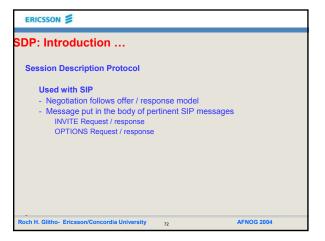


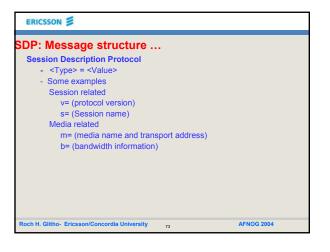


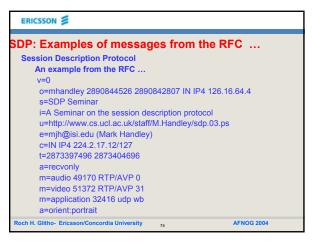


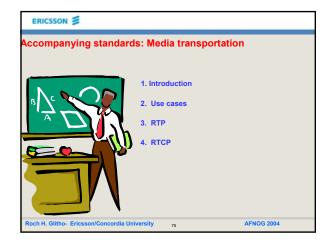


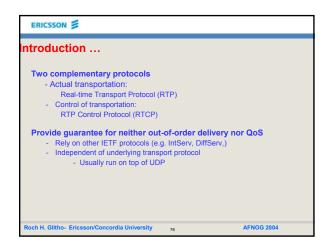


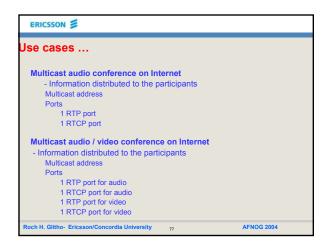


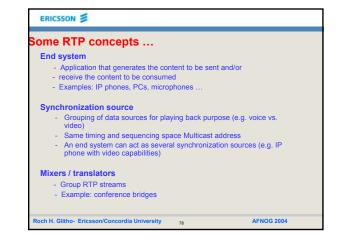


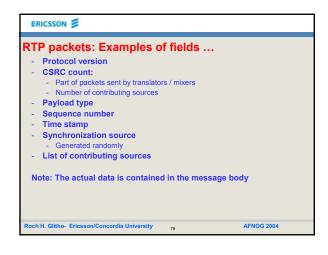


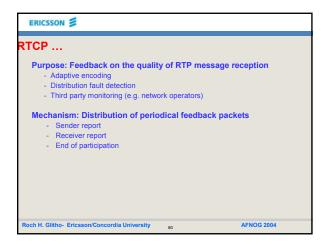


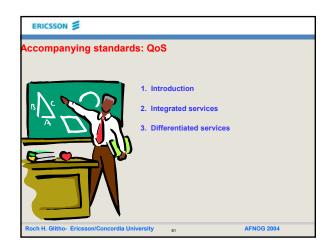


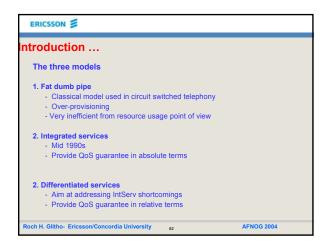


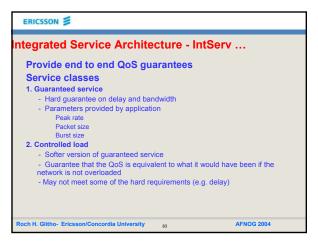


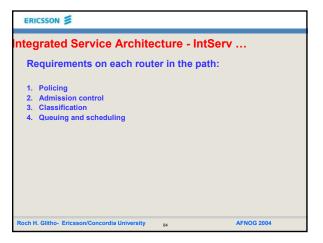


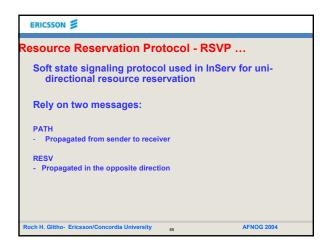


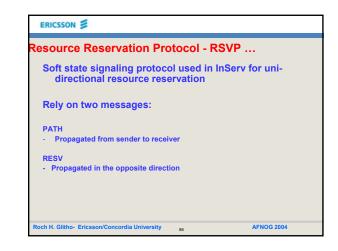


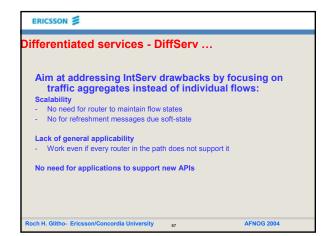


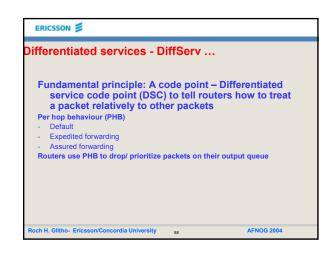


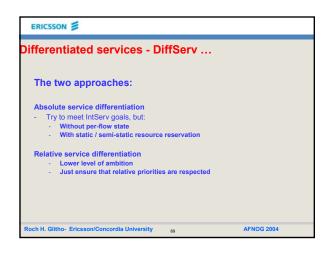


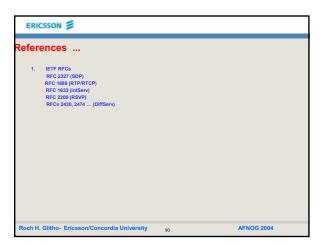




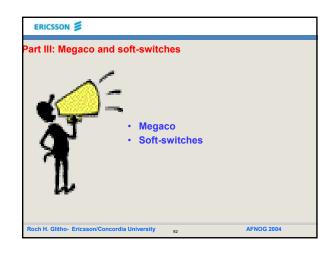


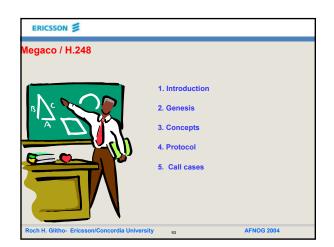


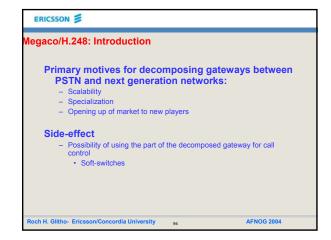


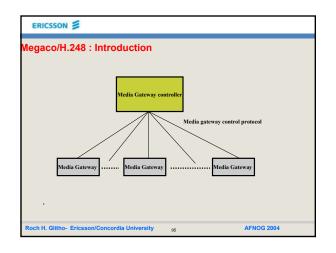


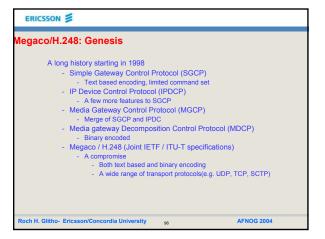












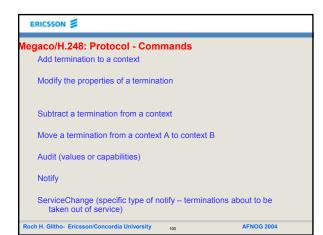
ERICSSON = Megaco/H.248: Concepts - Termination Source or sink of media · Persistent (circuit switched) or ephemeral (e.g. RTP) • IDs Unique or wildcard mechanism (ALL or CHOOSE) • Properties/descriptors Unique ids - Default values Categorization · Common (I.e. termination state properties) vs. stream specific · For each media stream - Local properties - Properties of received streams - Properties of transmitted streams Mandatory vs. optional - Options are grouped in packages

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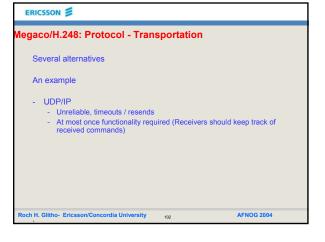
Roch H. Glitho- Ericsson/Concordia University 97

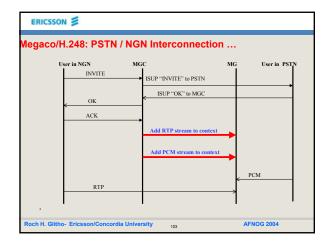
ERICSSON = Megaco/H.248: Concepts - Termination Examples of properties/descriptors · Streams Single bidirectional stream • Local control: Send only – send/receive · Local: media received · Remote: media sent Events - To be detected by the MG and reported to the controller On hook / Off hook transition Signals To be applied to a termination by the MG Announcements • Digit map - Dialling plan residing in the MG Detect and report events received on a termination . Roch H. Glitho- Ericsson/Concordia University 98 **AFNOG 2004**

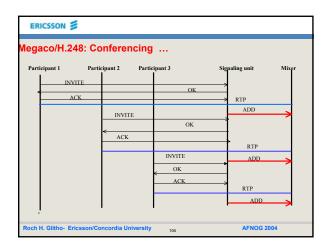
Megaco/H.248: Concepts - Context Context (mixing bridge) • Who can hear/see/talk to whom • Association between terminations • May imply - Conversion (RTP stream to PSTN PCM and vice versa) - Mixing (audio or video) - Null context • Terminations that are not associated with no other termination (e.g. idle circuit switched lines) - Topology - Precedence

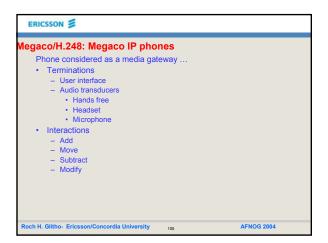




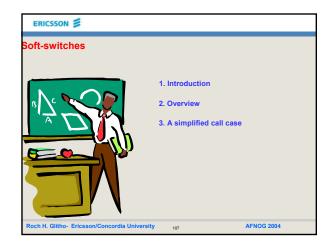


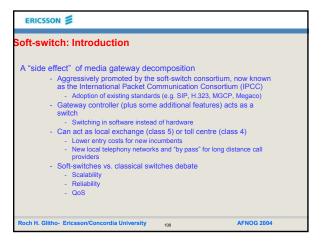


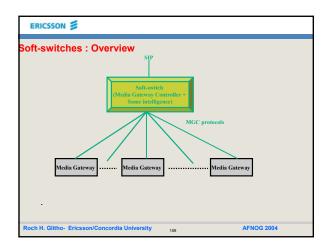


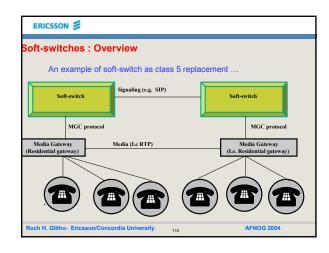


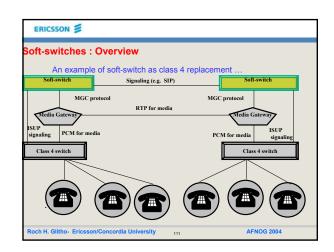


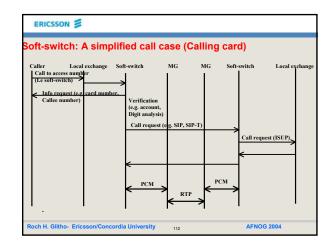




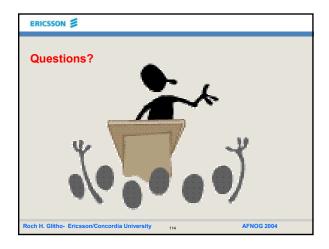


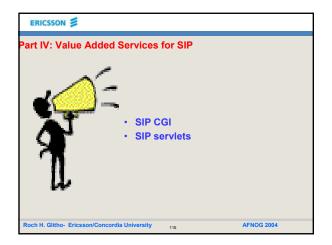


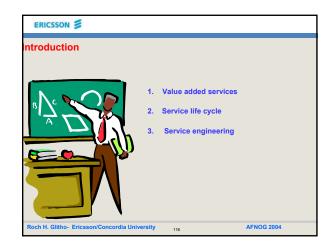


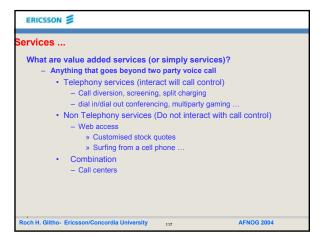


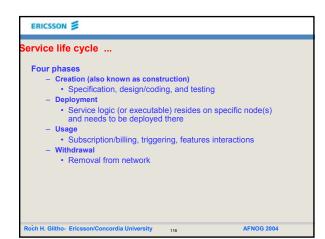


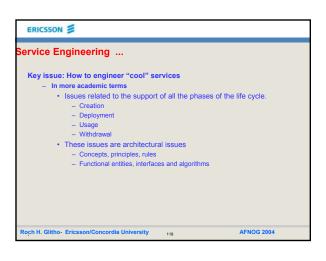


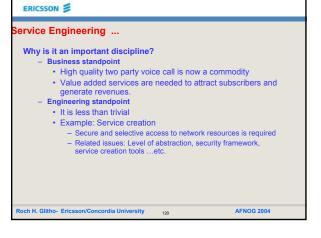


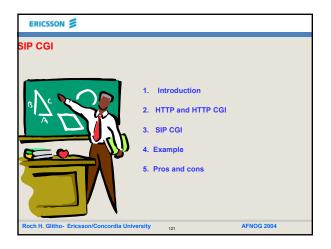


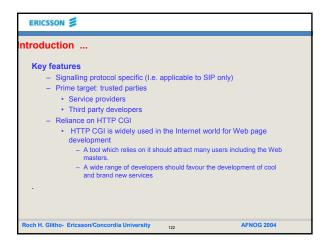




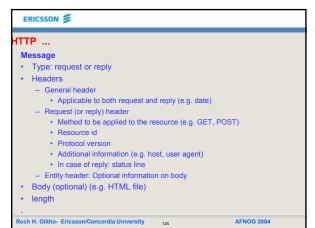


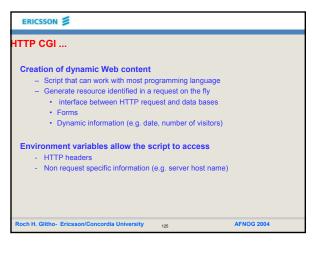


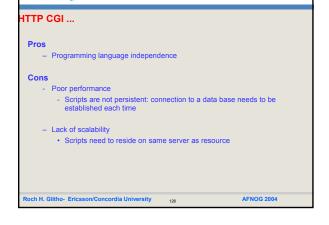












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