**ATIS IP-NNI**

**Dec 6, 2021**

**Contribution**

**Title: Analysis of Support of RFC 8197 (Unwanted) and RFC 8688 (Rejected) in VoIP Networks – Questions and Clarifications**

**Source**\***: Verizon**

**Issue Number:**

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**Abstract**

This contribution identifies few questions and clarifications regarding deploying RFCs 8197 & RFC 8688 in voice service provider networks.

# SIP Code from IP to non-IP Network

In the case of a code transmitting from an IP network to a non-IP network, SIP codes 607 and 608 must map to ISUP code 21.

* In order to distinguish between SIP 607 and 608, SIP 607 should be mapped to CC 21 cause-location=user and SIP 608 should be mapped to CC 21 with cause-location=network

# Deployment Section 5 of IPNNI-2021-00027R003

Clarify nominal behavior, is it follow default handling for 6xx responses, destroy transaction, report 607 & 608 to calling party with no retry?

Is there any future expectation from service providers to take action on these response codes such as provide analytic score for a specific calling party based on 607 & 608 responses received by called party or report such behavior to consumer complaint database?

Do we have any standard mechanism defined to revert false labeling of “unwanted” caller per security considerations of RFC 8197?

* “can” means permission to do, is that what is intended. Are we not allowed to do more than what is specified in Sec 5.1

# RFC 8197 – Unwanted (607)

Which human action invokes 607 response? Does UE display “unwanted” button to called party when receiving INVITE, MESSAGE or SUBSCRIBE to indicate that offered communication is unwanted.

Do we have agreement with different device vendors on display framework how called party provides unwanted/607 input for current call or text. What is expected behavior on caller display when it receives 607 response from called party?

What is the expected behavior for future call attempts from that specific caller, should unwanted calls be automatically blocked by called party device and logged in device-local list of “unwanted” calls or should analytics engine block those calls.

Clarify non-IP network to IP network termination. How 603/decline is differentiated from 607/unwanted or 608/rejected from UE perspective? Need more clarification.

# RFC 8688 – Rejected (608)

RFC 8688 Figure 4 call flow shows intermediary-UAS used 607 response code instead of 608, is that right?

How does caller distinguish between 607-end user unwanted vs 608-intermediary rejection. Does caller receive error code specific announcement or different device display which distinguish between the two error codes.

Enterprise CPE or call centers may receive 608 rejections how are they supposed to react and they need development to consume 608 reject and generate reports based on error codes.