# UA-Driven Privacy Mechanism for SIP

## draft-munakata-sip-privacy-new-01

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# UA-driven privacy mechanism

- **New Mechanism!**
- **UA-Driven**
  UA conceals information on its own.
- **GRUU and TURN**
  UA utilizes GRUU and TURN
  to achieve anonymous URI and IP address.
- **Privacy flag**
  Indication that the user wishes privacy
  and asking proxies not to deliver the user-privacy-related information
  that is inserted by proxies to the other end.

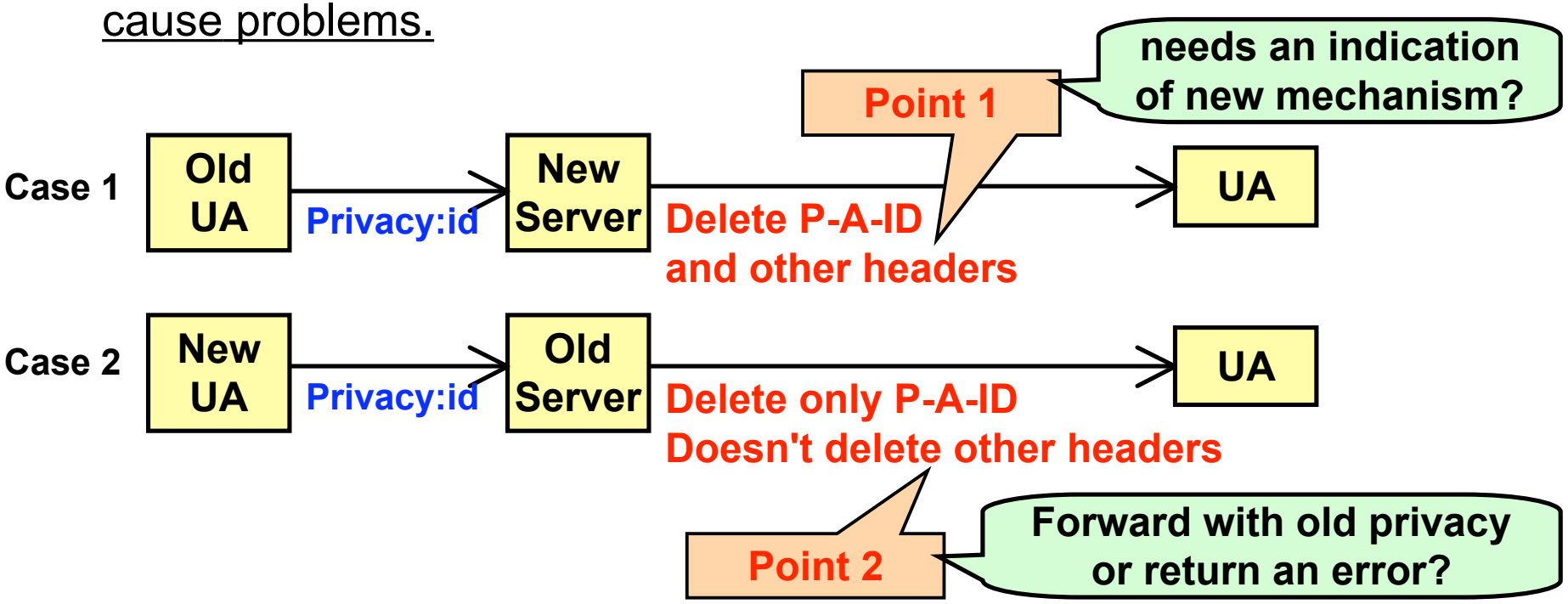
# Issue 1 (1/2)

## ν What should be the Privacy Flag?

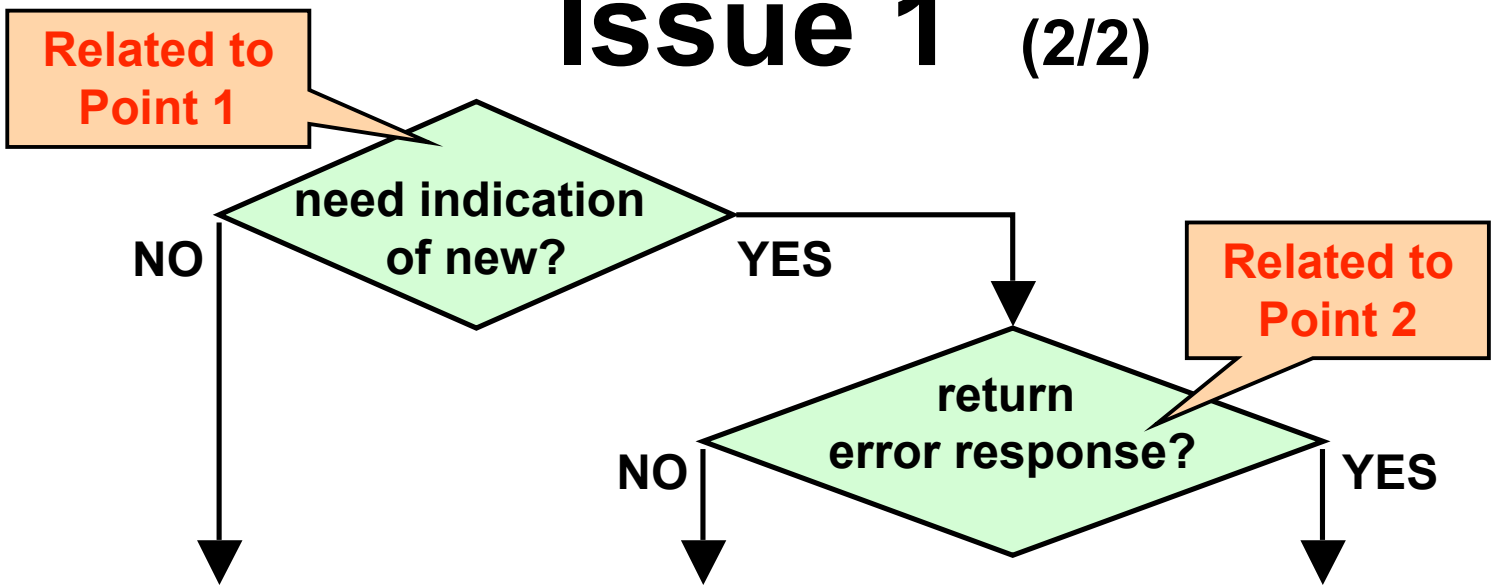
Req: It must be a backward compatible solution.

### ¬ Privacy: id

"Privacy: id" is widely deployed for the caller-id restriction service and it could be the flag. However, "Privacy:id" alone as a flag may cause problems.



# Issue 1 (2/2)




## 1. Without Indication

**Privacy: id**

However, changing the semantics may cause a backward compatibility problem, so it needs careful consideration.

## 2. With Indication

For example,

**Privacy: id, new**

"Privacy: id , Supported: new-privacy" could be the indication, too.
Or new header such as "In-Use:privacy" instead of Supported header.

## 3. With mandatory indication

For example,

**Required: new-privacy**

Proxy-require is more appropriate?
Or other solution?

# Issue 2

- **Is it problematic that the proxy-inserted headers besides P-A-ID are disclosed?**

  Current spec considers the following headers that can be inserted by proxies to be privacy sensitive.

  Should the new spec follow the current spec?

- Via (Excluding the bottom one)
- Record-Route
- History-Info

} Network privacy?

- Call-Info (additional info such as user's web page)
- Organization (name of organization)
- Server (software used by the UAS)
- Geolocation (user's location info)

} Do these need to be hidden?

# Issue 3

- **TURN for signaling**

  Is using a TURN address as an anonymous IP address for signaling (in a Via header) problematic?

  How can a UA achieve an anonymous IP address besides using TURN?

## Next Step:

- Consider a solution for the privacy flag.
- Add text on how a UA can generate an anonymous SIP message.
  (Treatment of each SIP header,
  SDP attribute and other elements)

# Thank you.