

## **SS7 ISUP Number Delivery Fields**

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In the ISUP IAM (Initial Address Message), there are the following fields for number delivery (this is not a complete list, but nonessential parameters of the number fields are being left out for the sake of simplicity):

- Called Party Number
- Charge Number
- Originating Line Information Parameter
- Calling Party Number
- Original Called Number
- Redirecting Number

Called Party Number is the only mandatory field; the rest are optional.

Charge Number is the field from which ANI is derived (ANI is a generic term, whilst Charge Number is the specific implementation in SS7 ISUP; the relationship between Charge Number and ANI appears to be similar to the relationship between Calling Party Number and Caller ID. Note that ANI is never transmitted across the network; only Charge Number is sent, and ANI is derived from that within the switch or AMA equipment).

OLIP is the field which contains, among other things, binary representation of the II digits (class of service) of the originating line.

Calling Party Number is the number of the calling party, and can be set as either "Network Provided" on calls originating from POTS lines, or as "Customer Provided" on calls originating from a PRI where the customer's station equipment specifies the Calling Party Number to the switch. If Calling Party Number and Charge Number are identical, Charge Number is omitted from the IAM.

Original Called Number and Redirecting Number are only used in cases of call forwarding.