Line Identity (LI) Agreement

Magrathea allows you to pass one or more line identity values when you use our call termination service. These values will be passed out onto the UK and International PSTN telephone networks.

There are three main types of Line Identity (LI) that are supported by our network. These are:

- Network Number: This is a valid telephone number which represents the end-user's network endpoint. This is normally the same as the subscriber number which has been allocated to the line.
- Presentation Number: This is a used where the caller desires a different number to be seen by the called party on any display technology. This number must always be a valid telephone number that is associated with the end-user. Normally this would be a direct dial for an extension number of a PBX or a non-geographic number associated with the business.
- Last Diverted Number: Where call diversion is active, this is the network number of the line that performed the call diversion feature. If there has been more than one divert leg, this is always the last one.

The feature to send Line Identities will be enabled on your account after you have signed and returned this document to agree with the following:

1) You will only pass LI to us that is known to be true by you and allocated to the subscriber making the call. This can be achieved by three means:

a) The LI value is assigned by your equipment to the call and overrides any number sent by the user. The value assigned is a telephone number that has been issued by us to you, or you have written authority from another network operator allocating the number to you or your end-user.
b) The LI value has been obtained directly from a recognised PSTN network operator
c) The LI value has been passed to you by us.

2) You may pass LI from other IP networks as long as you have reasonable belief that the LI has not been manipulated and would have been assigned to the user initiating the call. You will not allow the user to control the LI themselves, or use a LI that has come from any 'untrusted' source.

3) You accept that any LI passed outside the UK will be on a 'best efforts' basis only and may not be passed to an overseas subscriber.

4) You accept that due to issues with network interworking it is not always possible for all three Line Identity types to be preserved and sometimes only the Presentation Number will be transmitted, or Network Number if no Presentation number was present.

5) You will allow the users the ability to withhold the presentation of LI if they wish but that any such calls must still be passed to us with the full LI, marked not for display.

6) You agree that the provision of this LI presentation feature is subject to a number of matters outside our control and does not form a contractual part of our standard service

7) You accept that in the event of any complaint received by us caused by any incorrect, false or otherwise confusing presentation of LI data by you to us we may withdraw this option without notice to protect the integrity of PSTN Line Identity.

COMPANY:

PRINT NAME:

SIGN:

POSITION:

DATE:

Technical Note
Supported Forms of Passing Line Identities

SIP

The following SIP headers are used in the definitions below.

From: As described in RFC3261
Remote-Party-ID: (RPID) As described in draft-ietf-sip-privacy-04.txt. The values of privacy=full and privacy=yes are both supported.
P-Asserted-Identity: (PAID). As described in RFC3325 and RFC5876. It is however only recognised in an INVITE request.
Privacy: The value 'id' is recognised as described in RFC3325
Diversion: As described in RFC5806

For all the above headers, only the user portion of the URI will be read by our network, and for the avoidance of doubt, this must be in the format <sip:user@network.com>. Any data supplied as textual data will be ignored. Any header which contains characters in the user portion which are not within the range 0-9 or the + character will be discarded.

Our network supports the following different systems:

1. Network number supplied in PAID header. The network number can be withheld by the use of the Privacy header. If an RPID header is present and contains numerical data which is different from the PAID header, it will be considered as a Presentation Number. If a From header is also present, it will be ignored.

2. Network number supplied in PAID header. The network number can be withheld by either the use of the Privacy header or by the text anonymous in the user portion of the From header. If the From header contains numerical data which is different from the PAID header, it will be considered as a Presentation Number.

3. No PAID header supplied. Numerical data supplied in an RPID header will be considered as a Network Number. If a From header is also present, it will be ignored.

4. No PAID or RPID header supplied. Numerical data supplied in the From header will be considered as a Network Number.

5. If no valid RPID/PAID/From header is supplied then if required our network may insert a default number for call tracing purposes and this number will be marked as not for use for display purposes.

In addition, any number supplied in the last of any number of Diversion headers will be considered as a Last Diverted Line Identity.

Non UK caller ID should be sent as 00<country code><number> in the correct portion of the RPID header, or the From field if RPID is not supplied. We can also accept a "+" in the RPID header only, please note that this will not work in any other field.

IAX

Our IAX support currently only supports one caller Line Identity which will be used as a network number. This number may be withheld from presentation by the use of either a 'W' before the dialled number, or the user of the 'Withheld' data descriptor for the calling party number.