

INCOMING CALL SCREENING (ICS)

Built for the Wireless Subscriber, Incoming Call Screening (ICS) from Integrated Telecom Solutions (ITS) is designed to allow for easy screening and filtering of incoming calls. ICS is an effective tool for call management by providing subscribers the ability to re-direct pre-defined callers during distinct time periods. Screened callers can be routed to programmed recipients, voicemail or an announcement/tone freeing up the ICS subscriber to receive calls from approved callers. ICS can be implemented in conjunction with ITS' GVPN product to provide Closed User Group (CUG) and corporate level incoming call screening.

FEATURES

Call Screening and Filtering of Incoming Calls

ICS allows the subscriber to access their personal Incoming Call Screening List via the Internet. This allows the subscriber to tailor the screening criteria to their own needs. An easy-to-use calendar function is provided to assist the subscriber in selecting date criteria for screening entries. If the calling party is disallowed based on the screening criteria, they are routed to a tone or announcement or an alternate destination. If the calling party is allowed after the screening criteria have been applied, they are then routed to the ICS subscriber.

Configuration of Incoming Call Screening Lists

Subscribers can configure Calling Party Numbers or number prefixes that are to be disallowed. Additionally, time of day ranges per day of week, day of week range, or date can be specified by the user per Calling Party Entry.

If the Calling Party Number is defined on the Screening List, calls are not allowed during the pre-defined times. Defining these "do not disturb" times ensures that calls are not received during important meetings or special recurring events.

Alternatively, users may configure their Screening Lists to disallow calls from an area with the exception of specific pre-defined numbers or disallow all calls and provide a list of exception numbers.

For calls that are disallowed, the user can select whether the call is routed to a tone or announcement or an alternate destination, such as an assistant, an associate, or voicemail for each Calling Party Entry.

Calling Party Numbers received with 'presentation restricted' or 'unavailable' can also be restricted or allowed.

A temporary override of the Screening List can be set to allow all calls or disallow all calls. Each subscriber using ICS is allowed a screening list of up to 100 entries.

Screening Lists for Virtual Mobile Exchange - GVPN Subscribers

GVPN allows mobile operators to set up user groups applying certain rules to those in the group. Operators can define mobile hierarchies whereby a corporation may have multiple different CUGs.



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Business Incoming Call Screening Lists for GVPN subscribers can be configured at the subscriber and group level. The administrator can configure Calling Party Numbers or number prefixes that are to be disallowed for a group or for a certain subscriber. Additionally, time of day ranges per day of week, day of week range, or date can be specified by the administrator per Calling Party Entry in the same manner as is provided for personal incoming call Screening Lists. GVPN subscribers can be disallowed from receiving off-net calls or private calls.

The configuration and management of Screening Lists are completed using ITS' Corporate Provisioning Manager (CPM) with ITS' Subscriber Provisioning Environment (SPE), allowing for simple and secure access to the subscriber.

Additionally, a CORBA interface is supported for adding, deleting, and updating all ICS attributes. The CORBA interface is intended to be used to adapt the operator's customer care provisioning system for provisioning ICS attributes as well as for bulk loading of subscriptions.

BENEFITS

- Allows subscribers greater flexibility in tailoring screening criteria of incoming calls
- Improves productivity for subscribers allowing them to receive desirable calls, such as potential business, and screen calls that are undesirable or calls that may be handled by an associate or an assistant



- ICS may be made available for all subscribers providing a potential increase in penetration of the service for the mobile operator
- Reduces subscriber churn by providing a valuable service with convenient easy-to-use web-based features
- Increases revenue for service providers by allowing for a monthly subscription fee charged to users of ICS
- Offers "add-on" flexibility to existing GVPN subscribers
- Offers mobile operators bundling capabilities for business packages to targeted segments, such as corporate accounts and business professionals

STANDARDS COMPLIANCE

- ETSI Core INAP/CS1
- CAMEL - Phases 1, 2, and 3
- TIA/EIA ANSI-41
- CORBA IIOP interface
- HTTP - Hyper Text Transfer Protocol Version 1.1
- SSL - Secure Sockets Layer Version 3



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