



# BK7


## Real Time Analysis and Blocking over SS7 for Fraud Control Systems

Cibertec offers the BK7 system, which allows Telecom operators to perform real time blocking of fraudulent calls with minimal hardware and no need to deploy expensive and bulky intrusive audio probes.

The BK7 systems is a plug-in module of Cibertec's Traffic Surveillance System (**TSS**), but it can also be used stand alone, in combination with third-party Fraud Management Systems that do not have this capability.

(Call Blocking System by Releasing on SS7 Signaling)

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Telephone Traffic  
Solutions

# Real Time Analysis and Blocking

## BK7 Overview

This is a platform designed for real time network protection, by means of SS7 signaling analysis at level of the interconnection links. It has the capacity to shield your PSTN from illegal traffic by instantaneously eliminating suspicious calls generated or received from numbers declared as fraudulent according to the Telecom's FMS. Also it can be used to release those calls generated by numbers outside of the PSTN's numbering plan (Internal Fraud Control). The system is based in Real Time information taken from signaling messages traveling through network matrix topology.

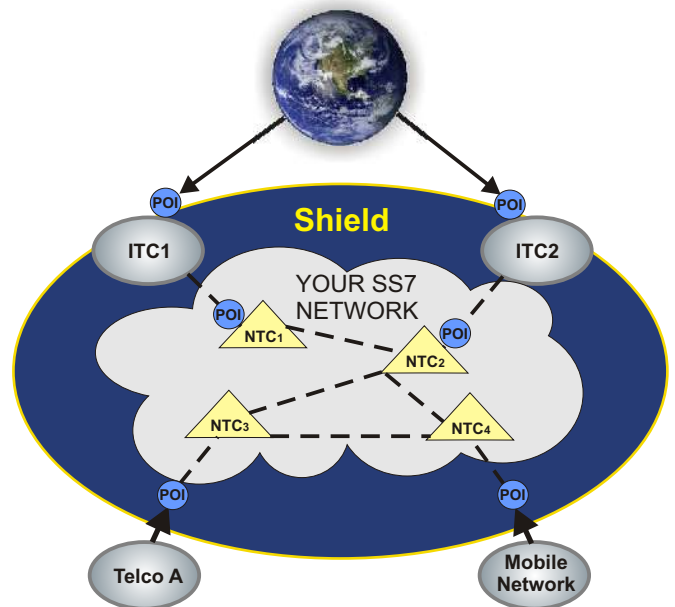
The platform allows monitoring and blocking of the suspicious calls, in particular:

- o Monitoring and blocking of the activities of the suspicious numbers and the control of traffic from and to certain countries.
- o Control consumption by type of call (frequency of the calls for a given subscriber). (Through the interconnections links)
- o Control rate of call-ups (comparison of a number for incoming calls and for of the outgoing calls). (Through the interconnections links)
- o Control and blocking of the numbers with pre-defined formats (ex: numbers starting with 00 or 06, format assigned by the TELCO or non conformity format)
- o Surveillance and blocking of communications in which one of the messages SS7 fails to meet user defined criteria about special signaling parameters. Very useful to detect and control signaling irregularities, for example:

Category: "international"  
Field inter-working: "positioned"  
Others.

## BK7 Features

- A single BK7 system can be used to monitor and block multiple routes
- Applicable to SS7 TUP and ISUP links, as well as their national variants
- Allows operation over black and white list of subscriber numbers.
- Configurable Gradual Action
- Remote administration access, control, and operation
- Supports on-line backup
- TCP/IP for LAN and WAN networks
- Client/server network environment Installation packets (software and database in CD-ROM)
- On-line system status



ITC: International Transit Center  
NTC: National Transit Center  
POI: Point of Interconnect