



## Carrier ID

Satellite Interference Reduction Group (sIRG) is the global industry organisation, established to combat the increasing and costly problem of satellite radio frequency interference. It also as a group focuses on the future of satellite communication technology and the effects or issues of that technology relating to interference.

One of the major issues in the fight against satellite interference is the lack of carrier identification. If carriers are not identified when interference occurs, it is almost impossible to determine where the problem has come from. Therefore, by introducing Carrier Identification, in the form of an embedded code containing contact information, across all transmissions, interference can be mitigated almost as quickly as it was started, and it will significantly reduce the time taken to track and correct those day-to-day interference issues that do crop up.

Carrier ID relies on the support of the entire satellite industry, from equipment manufacturer's right through to the satellite operators themselves. The satellite community is looking at developing a universally agreed-upon approach for Carrier ID insertion, for all carrier types, to address the interference problem.

In order for Carrier ID transmissions to be a successful tool in the battle against RFI, equipment vendors and manufacturers need to deliver:

- Customer name
- Contact telephone number
- Geo coordinates (latitude, longitude)
- Modem manufacturer name
- Modem serial number

This will quickly identify the interference source. The goal is that, at any given monitoring location, a single system can extract the Carrier ID for any and all carrier types where Carrier ID insertion has been provided. This will allow satellite operators to communicate directly with the RFI source to resolve the incident.