

Application Note SNMP now in IPR RoIP Interfaces

RIO TINTO IMPROVES RADIO NETWORK MANAGEMENT WITH SNMP

Customer Profile

- Rio Tinto is one of the world's leading mining companies

Application

- SNMP implemented in IPR devices for integration within Network Management System

Business Benefits

- Performance Monitoring of Radio Network
- Improved Future Planning
- Reduced likelihood of outages
- Covers wide geographical area

Products Used

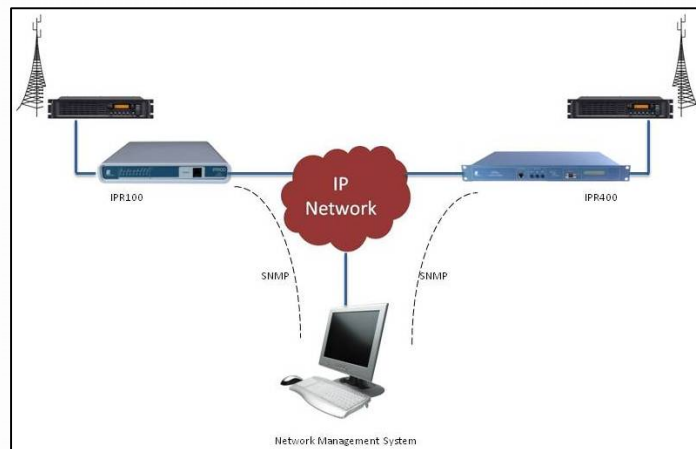
- SNMP Firmware Upgrade for IPR Devices

➤ Overview

Rio Tinto, as one of the leading mining companies in the world, relies on communication and IT infrastructures to manage their day-to-day operations. With the emergence of digital radio technology, the ability for radio to interact with these wider infrastructures is now open. In particular, the implementation of SNMP protocol into Omnitronics' IPR devices has allowed for inclusion within the Network Management System (NMS) for improved performance and safety.

➤ The Challenge

The challenge put forward by Rio Tinto was to incorporate Omnitronics' radio network devices within their Network Management System. This was in order to achieve real time monitoring of all of their radio hardware and the status of radio links to identify any faults or possible problems.



➤ Solution

Simple Network Management Protocol, or SNMP, was implemented in all the IPR devices in addition to the IPE and AFI-IP DX64 Components. This has enabled real time monitoring of the radio network including alerts/traps as well as assisting in future planning by providing usage and performance data. All of which is done over wide geographical areas.

Ultimately, this ability decreases the chance of outages and increases safety whilst keeping an eye to the future.

➤ Conclusion

With the digitization of radio, the possibilities for integrating it within organization's wider communications and IT network have opened. NMS and SNMP enable administrators to monitor performance, find and fix faults and plan for the future. SNMP is now a standard feature in the IPR100, IPR110+, IPR120 and IPR400 in addition to the IPE and AFI-IP DX64 Components and can be obtained by upgrading to the latest Firmware.

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