

WAYSIDE COMMUNICATIONS

Signals, Switches, & Track Circuits



MeteorComm provides interfaces for signals, switches and track circuits. Signal interfaces connect to existing signal wiring non-intrusively through the use of Hall Effect current sensors. The MCC-545C performs periodic self-tests on Hall Effect devices to verify their correct operation. Failures are reported to dispatch and the radio reports a fail safe “unknown” aspect to the locomotive.

MeteorComm peer-to-peer communication provides real-time signal aspect, switch state and track circuit status information directly from the wayside to the locomotive. There is no intermediary network standing between the locomotive and wayside, ensuring fast delivery and greater reliability.

Wayside status and aspect information is delivered not only to the locomotive, but also to dispatch. Status and aspect information is reported periodically and whenever status and/or aspect changes occur.

Open and nonproprietary interface architecture means any dispatch and train control system can be interfaced to the MeteorComm RF network. MeteorComm can provide customized solutions to fit customer’s requirements.

MeteorComm is the communication supplier of choice for the BNSF ETMS® wireless digital packet communication between train, dispatch, locomotive and wayside. MCC radios deliver real-time wayside status to the locomotive.

Features:

- Direct wayside-to-locomotive communication
- Uses MCC-545C Packet Data Radios
- Open, nonproprietary interface architecture
- Non-intrusive connections to existing signal wiring
- Dark territory equipment can be monitored using solar power

Benefits:

- Prevents derailments by early detection of hazardous conditions
- Safety overlay that protects loads, assets, capital equipment and lives
- Continuous wayside aspect and status delivery to locomotive
- Radio extends the horizon for “seeing” signals many miles before visual contact
- Current aspect and status information is available at dispatch

22614 66th Avenue South
Kent, Washington 98032 • USA
tel: 253-872-2521
www.meteorcomm.com

