

# RailCorp – Long Line DVA System

Design, develop and implement a system to provide CityRail NSW with the automated timetable based announcements at unmanned stations



Wentworth	4:07	4:36	5:03	5:30
Wentworth Falls	4:13	4:42	5:09	5:36
Bullaburra	4:16	4:45	5:12	5:39
Lawson	4:19	4:48	5:15	5:42
Belbrook	4:23	4:53	5:20	5:47
Belbrook	4:32	5:02	5:29	5:56

## Project

Long Line DVA System

## Client

RailCorp

## Location

NSW, Australia

## Contract Period

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## Award Date

Initial project completed in 1995 with continued and ongoing expansion, upgrade and support.

## Project Overview

CityRail required a system to provide commuters with reliable train service information at unmanned stations in order to improve passenger information, safety and security in the more remote areas of the CityRail network.

## The Solution

The Open Access Long Line Digital Voice Announcement (LLDVA) system provided CityRail with the ability to make live CD quality announcements at stations even when they are unmanned. Built on the back of the DVA system each station includes a DVA unit which contains an extensive library of professionally recorded voice segments which are automatically concatenated to create coherent messages for commuters.

The flexible solution includes a range of features that can be controlled by staff in a remote location – such as remote station control at a single console, creation and scheduling of timetable information, ability to update service information on the fly, remote scheduling of general information announcements, and scheduled volume control to minimise noise spill.

## The Result

The Open Access DVA system was successfully rolled out to the Blue Mountains line in 1995. The system has seen continued expansion and upgrade since and now encompasses more than 300 stations, features a variety of DVA devices, and utilises the RAC fibre optic ATM WAN for inter-station communications. The system's robust nature and flexible feature set has ensured that it has become an integral component of CityRail's passenger information strategy.