

Successful implementation of ISO 55001 Standard for road network management

N Pradhan¹, P Nikaeen¹

¹Downer, Sydney, NSW

With the introduction of Asset Management Standard ISO 55000x, more and more road controlling authorities are now working towards adopting this standard for better utilization of their assets and increase value for money.

As road network management service provider, Downer Transport and Infrastructure Division, has been working on aligning its asset management and operations management systems to comply with this standard requirements and guidelines. This adaptation has helped in developing cohesive framework and means of ensuring that asset management is driven top-down, is properly resourced and coordinated in a way which helped in significant improvement of operation efficiency with focusing in data driven decision making.

The adoption process has been challenging as Downer is managing of road network for various road authorities in different states in Australia with considerably different asset management policies, strategies and contracting models. However, adopting ISO 55000 has helped to align our objectives and services to the asset management strategies of road controlling authorities and to ensure that their goals to realize best value from assets are well address in the service delivery.

This paper discusses on how various challenges have been tackled for successful adoption and ISO 55001:2014 certification of Road Network Asset Management System for North-East Sydney state highway network contract. Use of asset management framework, together with state of art Asset Management Information Solution (AMIS) suite for managing road network, has resulted efficiency in maintenance operation and was possible to provide assurance to road agency that asset has been managed to provide the better value form the limited resources and assisting in fulfilling their institutional objectives.