



February 14th, 2017

Letter of Support for ISO 18000-63

Dear California Department of Transportation,

Please accept this letter as a reiteration of support from Star Systems International, Ltd. (SSI) for the State of California and its adoption of the ISO/IEC 18000-63 UHF RFID communications protocol.

ISO/IEC 18000-63 (also known as "6C") is an open standard communications protocol that allows robust, secure and cost effective identification of various objects through wireless communication. 6C is widely used around the world in many different applications including, but not limited to: supply chain logistics, asset management, parking, electronic vehicle registration and electronic toll collection.

The use of 6C for electronic toll collection continues to proliferate in the United States and around the world. The low cost of this technology compared to other RFID transponder products has allowed 6C to quickly penetrate regions and markets that are otherwise not able to support the widespread adoption of electronic toll collection. In addition, 6C is currently under consideration as the National Tolling Protocol for the United States by the International Bridge, Tunnel and Turnpike Association.

6C is not without its detractors. Specifically, detractors will point to intellectual property concerns and issues relating to the security of the protocol.

Intellectual Property

At the time of the writing of this letter, there is ongoing litigation relating to the use of 6C. SSI feels that these allegations are baseless and has fought vigorously to defend 6C as a true open standard. In fact, of the original six patents that were alleged to be infringed, all but two have been dismissed or otherwise removed from the case. We feel very strong in our position and are waiting for a decision from a Judge in the International Trade Commission.

Security

When discussing security issues, detractors generally make the comment that a 6C transponder is easy to clone, copy or otherwise counterfeit.

Interestingly, when compared to other transponder technologies used for electronic toll collection in the United States today, 6C is actually much more secure in terms of: transponder to reader communication, data protection and counterfeit protection.

In addition to security features available in the 6C protocol, users of the technology have the ability to layer additional levels of security in order to address any specific concerns that they may have.



In general, we find that arguments made by detractors have not held up under debate or rebuttal. At SSI, we welcome open discussion on the merits and faults of 6C, or any other technology. We believe that these discussions are important for all users of RFID, whether it is 6C or a competitive solution.

SSI will continue to support the State of California as it transitions to 6C for its electronic toll collection system.

Sincerely,

A handwritten signature in black ink, appearing to read "S.L.", is positioned below the "Sincerely," text.

Stephen Lockhart
Chief Technology Officer
Star Systems International, Ltd.