

## *Frequently Asked Questions*

**Title: Operating 1553 mode when using 1760 module - header errors**

**Date: 22 May 17**

**Card/Board/Module: 1553Px**

**Operating System: all**

### **Question:**

I have a Px-1760 or PxS-1760 module.

Today I have a project that is supposed to run 1553 communications.

When I transmit my bus list, I get errors on all the players: BC, RT, Monitor.

The error bit is translated to **Header Word Error**.

- (a) What does this error mean ?
- (b) How can I get around this problem ?

### **Answer:**

(a) One of the features of the 1760 specification is the requirement that some SubAddresses (1, 11, 14), for some types of messages, require that the first data word (called a **header word**) be a specific pre-defined value.

If the first data word does not match the pre-defined value, then the error bit is turned ON in the Message Status Word. This indicates that the "Header Word received does not match the value set in the Header Value Table."

(b) To bypass this error, so that it does not get generated, you can call function **Set\_Header\_Exists\_Px** for the specific desired SubAddress, with parameter **enable** set to **HEADER\_DISABLE**. In this case, the error bit will not be turned ON.