

**Proposed  
Draft**

**Serial ATA  
International Organization**

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**SATA30\_ECN\_D132\_20100115\_V03  
Title: Correction to description of ASR**

**Proposed correction to Serial ATA Revision 3.0**

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## Document History

Version	Date	Comments
1	01/15/2010	Initial draft
2	01/25/2010	Header/footer, title edits
3	01/25/2010	Removed spaces from state names to match intended SATA 3.0 style

## 1 Introduction

This ECN corrects an error in the textual description of asynchronous signal recovery.

## 2 Summary of the problem

The following paragraph from subclause 8.2 from SATA 3.0 contains a pointer to a non-existent state machine name:

When signal is lost, both the host and the device may attempt to recover the signal. A host or device shall determine loss of signal as represented by a transition from PHYRDY to PHYRDYn, which is associated with entry into states LSI: NoCommErr or LS2:NoComm within the Link layer.

The state machine LSI: NoCommErr is incorrect. The correct state machine state is LS1: NoCommErr.

This appears to be a purely typographical error.

## 3 Proposed correction

The corrected paragraph should read:

When signal is lost, both the host and the device may attempt to recover the signal. A host or device shall determine loss of signal as represented by a transition from PHYRDY to PHYRDYn, which is associated with entry into states LS1:NoCommErr or LS2:NoComm within the Link layer.