Power ON/OFF Sequence

Motor Business Unit
Appliances Company

Revision History

Revision	Date	Change Description
1	2010/2/18	Initial Release
2	2012/2/8	Changed company name on title page. Minor edits.

Power ON

With the following waiting process, there is no problem regardless of power-on order.

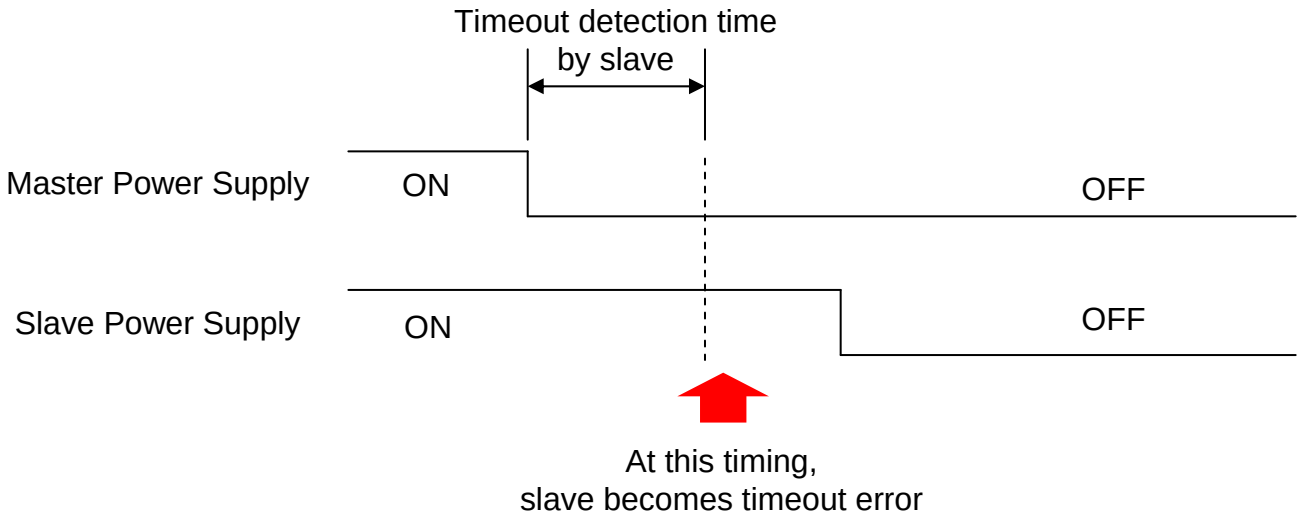
	Master Earlier	Slave Earlier
Waiting Side	Master	Slave
Waiting Process	Until proper response, transmit Init-A frame cyclically. (Note)	Waiting for Init-A frame.
MNM1221 State	RING-CONFIG	CONFIG-A

Note: In the example code, this process is done.

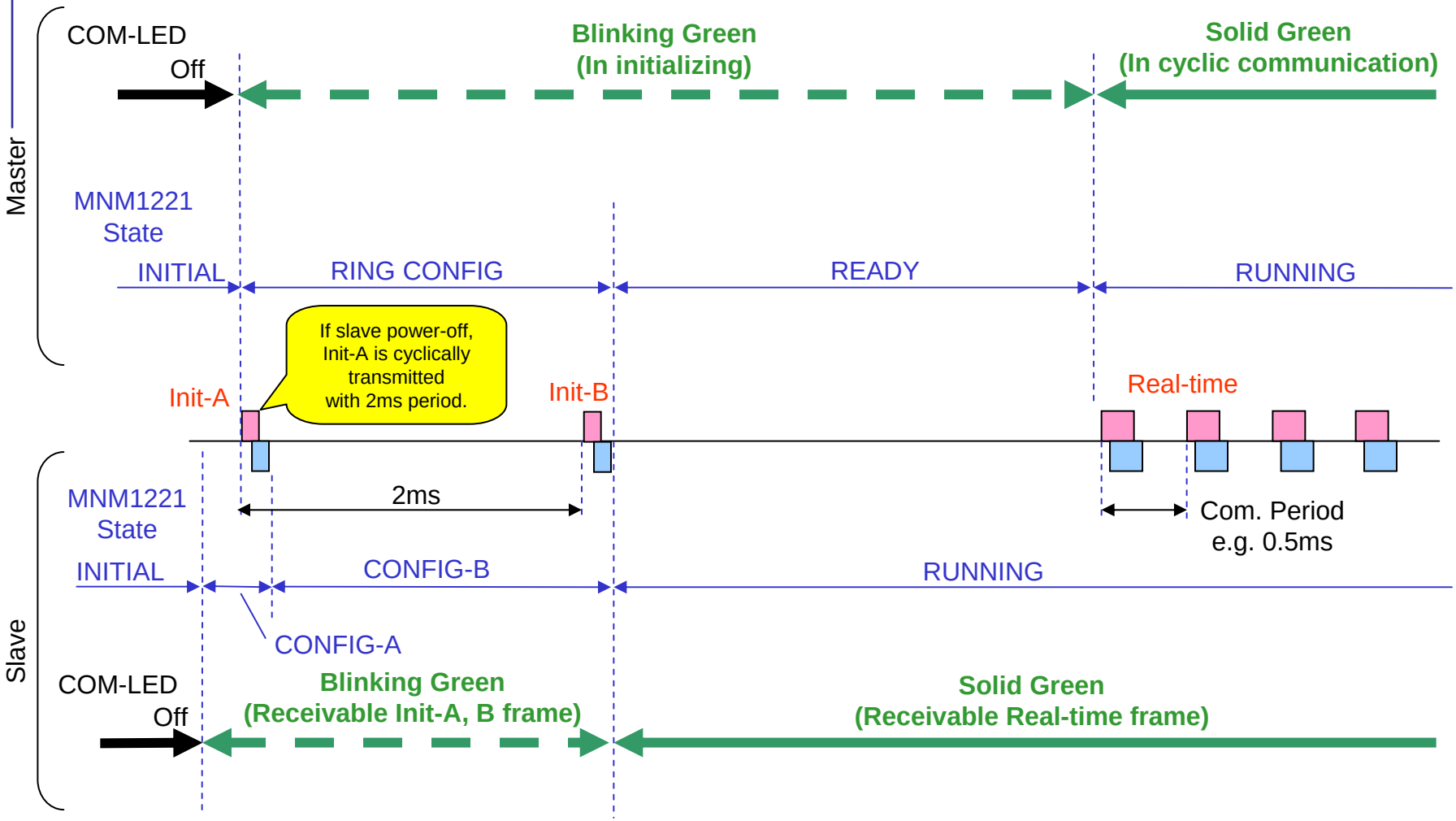
Power OFF

For power-off timing difference between master and slave, if it is longer than timeout detection time, timeout error occurs in the later power-off side. This is normally no problem because of a moment before power-off. If it is necessary to prevent this error, reset both master and slave with transmitting RESET command (code x1h), and power-off is done in the state before the communication established.

An example of master power-off earlier:

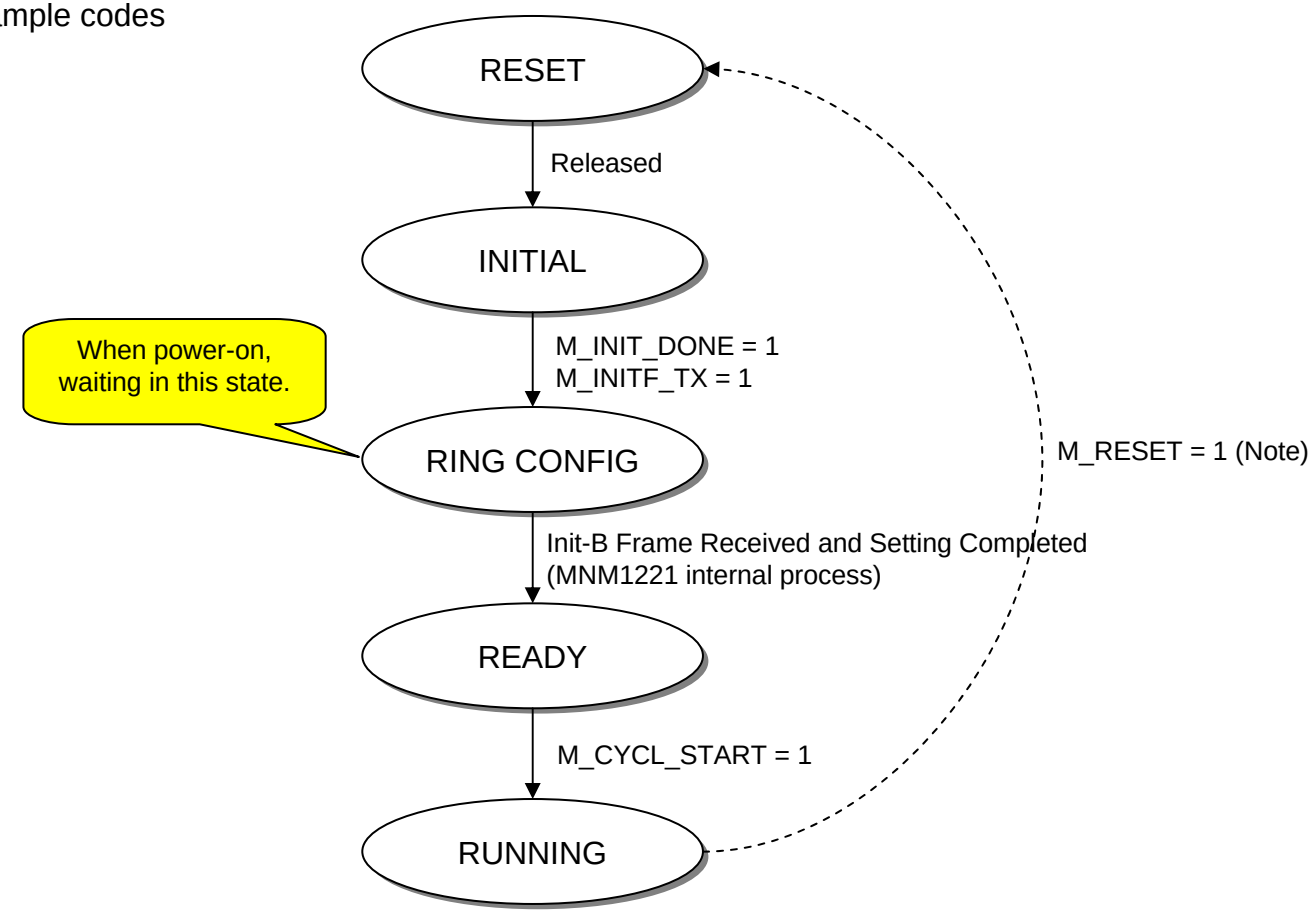


State-Transition at Start-up



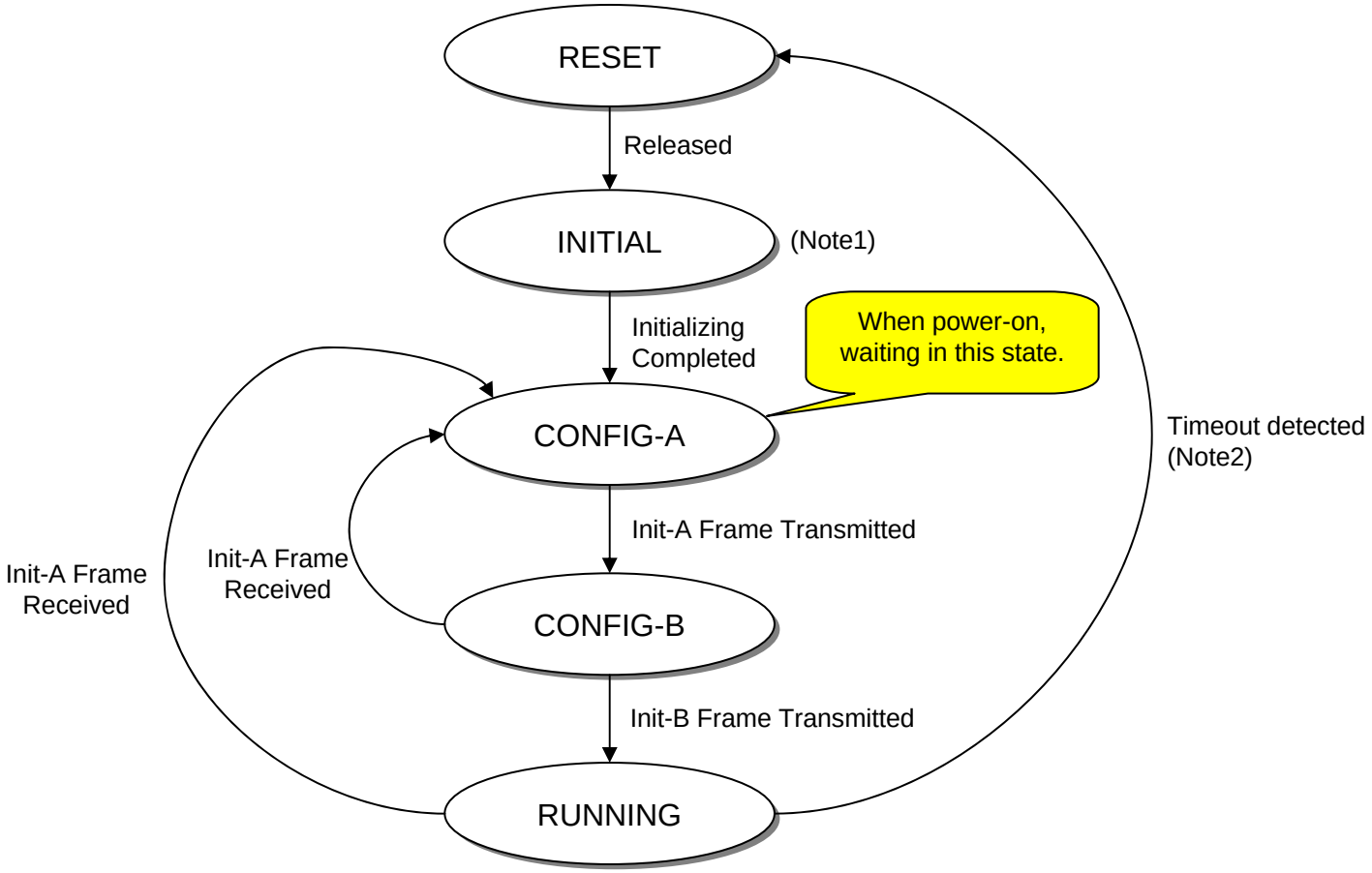
Master MNM1221 State-Transition

With using the example codes



Note: If M_RESET register is set to 1, transition can be done from any state as well as RUNNING state.

Slave MNM1221 State-Transition



Note1: In INITIAL state, received frame is ignored.
Note2: After timeout detected, MNM1221 is reset by the firmware because cable connection may be changed.