MCE TECHNICAL BULLETIN

➤*Immediate Action Required*◄

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Reference #   **155**
Route to   **Modernization and Service Managers**
From   MCE Technical Support Department (916-463-9200 then press "3")
Date   April 4th 2016
Pages   1

Subject   Un-Intended Motion (UIM) Protection

Equipment   iControl and Motion 4000 Series Controllers (Models Listed Below)

Description   In the scenario where the elevator arrives at a floor and the primary mechanical brake of the machine fails to drop/hold the elevator, the emergency brake (rope/sheave brake) is supposed to engage in order to avoid any unintended car movement situation. MCE's earlier software logic used to engage the emergency brake detection circuits after the doors were fully open. In order to make the emergency brake more responsive, MCE released the new software which reduces the time, and engages the emergency brake detection circuits as soon as the car arrives in door zone. The following models of controllers are affected:

- iControl-SCR (Geared and Gearless)
- iControl-AC (Geared and Gearless w/Rope or Sheave Brake*)
- Motion 4000 (Geared and Gearless w/Rope or Sheave Brake*)

Action   MCE recommends that all brakes be inspected. Proper maintenance and servicing guidelines should be followed. In addition, the elevator contractor should perform the check on the affected controllers during the next scheduled maintenance visit, and request the software solution from MCE. Otherwise, MCE will assume that the affected controllers have the software solution. Controllers shipped before March 2013 need to be evaluated and upgraded as needed. The updated controller software versions should be as follows:

iControl Safety "A" firmware version:	XXX.029.006 or higher**
Motion 4000 MPU firmware version:	R008-T00.08.0053/R009-T0009.0006 or higher

* Denotes a product name used by Thyssenkrupp Northern Elevator Sheave brake or Sheave Jammer. (Gearless machine's dual emergency brake does not fall under this category).

**First (3) numbers indicated by "XXX" may vary, however it's the last six digits that require evaluation.

MCE Help   As always, should you require any additional technical assistance on this issue or if you wish to add your email for future technical bulletin advisories, please send an e-mail with TB reference number to:

Email: techsupport@nidec-mce.com