

10 December 2010

Ref: JRC Regulatory Notice 10 Dec 10

**Subject:** Change in UN numbers for JRC Detonators

**Background:**

In 2009 the International Civil Aviation Organization (ICAO) changed the testing requirement for shipping explosives under 1.4S classification on passenger planes for eight UN codes. Two of these UN codes apply to detonators used by Halliburton:

- UN0456: Detonators, electric, 1.4S
- UN0455: Detonators, non-electric, 1.4S

The requirement to retain 1.4S classification is very stringent and testing has shown the above JRC products will not pass in their current packaging. Additionally, a similar situation exists with most, if not all, detonator products made by other manufacturers. As a result of the ICAO action, these two UN codes will need to be downgraded in classification from 1.4S to 1.4B. The 1.4B classification will allow detonators to be shipped via cargo aircraft.

**Current Situation:**

ICAO recently accelerated the conversion date for these two products to 01 January 2011. Therefore, as of that date, all previously issued 1.4S detonator products will be forbidden from both passenger and cargo air transport UNLESS the regulatory authorities:

- (1) Are furnished proof that the detonators can pass the stringent tests and therefore retain their 1.4S classification, or
- (2) Have downgraded their classification to 1.4B in the event the stringent tests cannot be passed.

JRC has submitted applications to the US Department of Transportation requesting downgraded EX-numbers for 1.4B shipping classification. Moreover JRC has requested emergency processing for these applications to ensure we can continue shipping by air as 1.4B (Cargo Aircraft Only) after 01 January 2011.

**Actions for the Field Organization:**

When the new downgraded 1.4B EX documents are issued, all further shipments must be re-labeled to the lower class with their proper shipping name. We anticipate the actual EX-number will not be changed.

1. Please prepare your country licenses if they will be affected by the changes in UN code and proper shipping name. Those new codes will be:
  - UN0255: Detonators, electric, 1.4B
  - UN0267: Detonators, non-electric, 1.4B