

Rapid EDS

Speed that changes what's possible.



When a dynamically positioned (DP) vessel drifts off location, every second counts. Standard emergency disconnect sequences can take 25 seconds to more than one minute to shear and separate the lower marine riser package (LMRP) from the blowout preventer (BOP). As watch circles tighten, especially in shallow water, delays increase the risk of costly wellhead damage.

NOV's Rapid EDS enables you to disconnect in as little as 8 seconds. Faster disconnect allows the rig to move away from the well quickly, improving crew safety and maintaining well control.

Shearing is one of the most time-critical steps in an emergency disconnect. Rapid EDS shears and seals in as quickly as 2 seconds by increasing hydraulic flow to the shear rams through emergency shear bottles.

Our retrofittable Rapid EDS also shortens riser connector unlock time. Unlock can occur in as little as 3 seconds, enabling quicker LMRP separation and faster clearance from the wellhead during an emergency.

By accelerating emergency disconnect, Rapid EDS helps manage tight watch circles, enabling your deepwater rigs to operate in shallow water.

With customizable circuits, Rapid EDS allows operators to configure emergency response paths. This flexibility aligns with existing procedures and safety philosophies while delivering faster disconnect when it matters most.

Features

Improves emergency response times

- Shears and seals in as little as 1.9 seconds
- Riser connector unlocks as quickly as 3 seconds

Reduces risk exposure during well control events

Currently available for 22-in. Low Force Shear (LFS) Rams

- Can be developed for all NOV Shear Rams

Customizable circuits

- EDS shear only
- Emergency Hydraulic Backup System (EHBS) shear only
- High-pressure and EHBS/EDS shear
- All shears

Optimizes watch circle in shallow water

