**Pull LMRP**

attachment scope of work.

- Develop unlatch plan (lessons from ROV operations during initial response)
  - Capabilities and functionality of Q4000 run yellow pod to activate connector? Line
distance/SIMOPS – As per Deploy LMRP Pulling Assembly
  - Exploit opportunity to access blue pod? – Rejected. Too long with lots of failure issues.

- Develop unlatch plan (lessons from ROV operations during initial response)
  - Test or scrutinise wrong functions from pod – Kill possible according to comment. But only
stabs in one way. Need team to evaluate Top Kill team. Back-up is hot stab and subsea
accumulator to release.

- ROV ring removal in plume – visibility, lifting forces when lifted, ROV Tooling required – Joint
model or trial ring placement and ring placement tool (horseshoe)? Ocean testing for validity.

- Assess operation of ROV around plume with diamond saw – Done. ROV and saw are working
under the plume and the only part of the diamond saw to contact the plume is the wire.
- Drill pipe failing could cause a problem, seal face damage – consider leaving AX ring to protect
seal face – LMRP on Horizon has a AX gasket loaded with hydraulic gasket hold/release function.
The gasket will come out with the LMRP unless the yellow pod can operate the gasket release
function or the ROV hot stab can be used to release this. The team evaluated this and feel drill
pipe impacting the AX ring gasket seal area is slim to none. The team would prefer to remove the
AX with the LMRP and have a double resilient seal AX gasket in the DDIH HC connector. In the
unlikely event the AX seal area on the Horizon HC male pin is dinged, the double resilient seal
gasket will still seal. Have seal tie product as back up.
- Evaluate LMRP stability with pod which will upset value? Yellow pod will not be retrieved after
install. If unsuccessful attempt to stab yellow pod. Will evaluate.
- ROV ring removal in plume – visibility, lifting forces when lifted, ROV Tooling required – Joint
model or trial ring placement and ring placement tool (horseshoe)? Ocean testing for validity.