	Risk Description	Potential impact on project	D	isk sco					st-ac			Cost of mitigation		Lilichy rotiromont
ID			L	I	LxI	Ownership	Proposed Action	L	I	LxI	Comment / Conclusion	Staff years	Non-staff (Σk)	Non-staff of requirment
MICE 1	Extended focus coll commissioning	Delayed step IV delivery	4	4	16	MICE- UK	Resolve ALL solenoid focus coil issues in RB prior to installation	2	5	10	Practices in place and operating	1	SOR	end of step IV
MICE 2	Delays to step V.& VI owing to focus on delivering step IV in FY 2014/15	Funding allocation targeted at integrating step IV. Delays to step V & Vt.	40	5	25	MICE	Absorb risk - but Integrate as much of step V & VI as allocation allows	2	5	10	Delivery of step V & VI extended to FY 18/19	na	n/a	end of project
MICE 3	Magnetic field effecting operation of electrical equipment relating to the continued operation of the cooling channel magnet systems and detectors.	Inability to operate the cooling channel	5	5	25	MICE - UK / MAP	Installation of a partial return yoke has mitigated the major risk. Movement of the control and power supply equipment to a dedicated room outside of the magnetic field.	1	4	4	Much work has been completed and provision of additional rack room has enabled the majority of the sensetive equipment to be moved away from the hall. The PRY has not yet been installed and so has not been tested, the residual risk still applies. Significant investment from UK and US to mitigate risk.	5	500k	End of project
MICE 4	lattice of magnets for Step IV - SS1/AFC/SS2.	Timescales for the training period, cost of the amount of LHe required to carry out the training the availability of the Lhe. Expert personnel required to be available for magnet operations over a pretracted period of time.	4	5	20	MICE-UK / MAP	Discussions with BOC (or supiler) to agree delivery timescales and availability during heavy use periods. Magnet integration task force to define commisioning method to keep schedule and cost to a minimum.	4	4	16	Each re-cool and fill of the Spectrometer Scenoid can take upto 500 LHA, AFC around 100L. Each full lattice quench could cost in the region of £TK. Initial investigations with BOC show that the predicted amount of LHe will be available during the commisioning period.	1	100	End step IV
MICE 5	AFC Module #2 has the same type of fault as AFC module #1	Extended delay and uncertain cost burden.	4	5	20	MICE - UK	Bring forward test of module #2. Shorter timescale for training runs. Purchase of additional Lhe if required to shorten timescale	4	5	20	During testing of Module #2 a thermal heat leak was found. It has now been rectified and will be back on the test stand at RAL during May 14. Testing of the magnet will continue.	0.2	15	Oct-14
MICE 7	VAT payable on the delivery of all equipment imported from the non-UK collaborators	Budgetary constraints resulting in reduced work force and installation activities being carried out.	4	5	20	MICE UK	Escalation of the issue to the legal department of the STFC	4	5	20	At the moment it is unknown if the cost can be mitigated. STFC to bear the cost burden, 20% of the value of each item imported.	0.5	2000k	Impacts Step IV and all other steps.
MICE 8	Resourcing issues	inabality to complete significant sections of work on agreed time or cost scales.	4	5	20	MICE - UK / MAP	Escalation of the issue to the STFC and DOE.	4	5	20	Only action open to the project is to review and reduce the scope. Extension of the project into future financial years	5		Impacts Step IV and all other steps.
MICE 9	Senoir management of the MAP collaboration / MICE-US changes.	Leadership and driection of the construction team unfocused.	4	5	20	MAP		n/a	n/a	n/a				End of Step V
MICE 10	Late delivery of the PRY and / or RFCC for Step V after advanced sheduling.	Standing army cost for period after hall preparations are complete and recipt of the PRY materials / RFCC	3	5	15	MICE-UK / MAP	Interaction with the MICE- US construction team. Construction of the RFCC module at a external institution.	2	5	10	Cost will need to be borne as releasing and then re-forming the team will be difficult with an unknown timescale.	£90k / Month		End of Step V
MICE 11	US budget cuts changing magnet manufactur, commisioning and delivery	Halting project installation and subsiquent data taking. Loss of key personnel from the project. Inability to continue with full cooling program.	4	5	20	МАР	Discussion with senior STFC management.	4	5	20	DOE review of MAP in August 2014. Result of the review with regard to progress of the project will be received before the end of the US Finacial year.			Impacts Step IV and all other steps.