

## Annex 1 – List of activities and their relevance rank

<b>Activities</b>	<b>Relevance</b>
Analysis, reactor physics	1
Analysis, regulatory and licensing	1
Analysis, thermal hydraulic	1
Annealing, reactor pressure vessel	1
Architect/engineers	1
BWR & PWR Reactor Vessels	1
Castings	1
Control rod drives	1
Control rods	1
Cores, reactor	1
Corrosion inhibitors	1
Crane safety systems and services	1
Criticality monitors/systems	1
Electronics, radiation resistant	1
Environmental and accident modelling	1
Feedwater heaters	1
Flanges, pressure vessel	1
Forgings	1
Fuel and fuel cycle management and services	1
Fuel assembly components	1
Fuel cladding	1
Fuel design	1
Fuel fabrication	1
Fuel handling equipment	1
Fuel storage racks	1
Fuel supply	1
Fuel, mixed oxide (MOX)	1
Fuelling machines	1
Furnaces, fuel sintering	1
Grids, fuel element	1
Hardfacing alloys	1
Heat exchangers	1
Heaters, electric	1
Hydrogen control, ignition & recombiner equipment	1
In-core monitoring and instrumentation	1
Machining services	1
Materials testing equipment	1
New reactor designs	1
Nozzles, RPV	1
Nozzles, steam generator	1

NSSS, fast reactors	1
NSSS, thermal reactors	1
Nuclear fuel cycle	1
Penetrations, electrical	1
Penetrations, mechanical	1
Pressure vessels, non-reactor	1
Pressuriser heaters	1
Pressurisers	1
Probabilistic safety and risk assessment	1
Pumps	1
Pumps, small	1
Qualification and testing services	1
Quality assurance	1
R&D and test	1
Reactor design, fast breeder	1
Reactor design, gas-cooled	1
Reactor design, high temperature	1
Reactor design, PWR	1
Reactor internals	1
Reactor pressure vessels	1
Recombiners	1
Robotics, robots and robotic equipment	1
Special metals and alloys	1
Spray nozzles	1
Steam generators	1
Steels, special	1
Stress relief equipment	1
Test loops	1
Tubing	1
Uranium enrichment	1
Valves	1
Valves, safety and relief	1
Zirconium/zircaloy	1
Condensers, steam	2
Emergency planning services	2
Fission chambers	2
Health physics, equipment and supplies	2
Heavy lifting services	2
Heavy transportation services	2
Ionisation chambers	2
Lead and lead products	2
Main coolant	2
Mechanical handling equipment	2
Moisture separators/reheaters	2
Neutron detectors	2
Neutron flux mapping	2

Neutron flux monitoring	2
Oxygen monitoring and trace measurement	2
Probes, eddy current	2
Probes, ultrasonic	2
Radiation detectors, semiconductor solid state	2
Radiation monitoring	2
Radwaste treatment, at-reactor equipment	2
Radwaste treatment, high level	2
Radwaste treatment, low and intermediate level	2
Reactor instrumentation	2
Reactor power monitors	2
Reactor protection and control	2
Reliability database services	2
Research, test and training reactors	2
Robotic arms and manipulators	2
Seismic services	2
Seismic test equipment	2
Shake table services	2
Stainless steel	2
Standby generators	2
Steam turbines	2
Superheaters	2
Tritium instrumentation	2
Turbine generators	2
Ultrasonic testers and transducers	2
UPS	2
Valves, pressure relief	2
Welding & brazing materials	2
Welding equipment	2
Welding, remote	2
3D laser scanning	3
Accelerators	3
Accelerometers	3
Access control systems	3
Acoustic sensors	3
Actuators	3
Air sampling/analysis	3
Alarm systems	3
Analysers	3
Analysers, multichannel	3
Analysis, accident and plant transient	3
Analysis, ageing	3
Analysis, criticality	3
Analysis, environmental	3
Analysis, failure	3

Analysis, fracture mechanics	3
Analysis, heat transfer	3
Analysis, human factors	3
Analysis, maintenance	3
Analysis, piping flexibility	3
Analysis, risk	3
Analysis, seismic	3
Analysis, shielding	3
Analysis, stress	3
Analytical services, general	3
Ancillary buildings	3
Assay equipment	3
Autoclaves	3
Balance of plant engineering and systems	3
Batteries, battery monitoring, battery testing	3
Battery Chargers	3
Bellows, metal	3
Blowers & fans	3
Bolt Tensioners	3
Bolting and stud tensioning services and equipment	3
Borescopes and fibrescopes	3
Cables	3
Cameras & CCTV Equipment	3
Capsules, irradiation testing	3
Charged particle detectors	3
Chemicals, cleaning and protective	3
Cleaning, reactor vessel flange, stud & stud hole	3
Coatings	3
Coatings, strippable/peelable, for decontamination	3
Commissioning	3
Comp software, ancillaries & peripherals for C & I	3
Compressors	3
Computer aided design and modelling	3
Computer services	3
Concrete inspection	3
Concrete repair, maintenance and underwater svcs	3
Condenser maintenance and retubing services	3
Condition monitoring, on-line surveillance, diag	3
Connectors, electrical	3
Construction services	3
Consultants	3

Control rooms and control room instrumentation	3
Control systems	3
Coolant level instrumentation (reactor)	3
Cooling towers	3
Couplings	3
Cranes & hoists	3
Cryogenic equipment	3
Data acquisition systems	3
Data processing systems	3
Debris recovery services	3
Decommissioning	3
Decontamination equipment	3
Decontamination services	3
Design services, civil	3
Design services, control and instrumentation	3
Design services, pipework	3
Design services, plant	3
Digital circuit modules	3
Diving services	3
Documentation	3
Doorway monitors	3
Dryers, air/gas	3
Electrical, cables	3
Electronic components and equipment	3
Emergency radiological intervention services	3
Emergency response info svcs, systems & facilities	3
Employment and recruitment services	3
Engineering services	3
Environmental monitoring equipment and services	3
Evaporator plant	3
Expansion joints	3
Exploration	3
Fabricated components, ferrous	3
Fabricated components, non-ferrous	3
Fasteners	3
Fibre optics	3
Field engineering services	3
Field services	3
Filter containment	3
Filter services	3
Filtered venting systems for containment	3
Filters	3
Fire protection equipment	3

Fire protection services	3
Flow indicators	3
Flow measurement	3
Flow meters	3
Foreign materials exclusion control and parts acc	3
Freeze plugging services	3
Fuel element monitoring	3
Fuel examination, PIE & PII	3
Fuel pool equipment	3
Fuel repair and reconstitution	3
Gaskets	3
Gauges	3
Geiger-Mueller counters/tubes	3
Geological and geotechnical services	3
Glove box accessories	3
Glove boxes	3
Health physics & personnel radiation dose mgt	3
Heating, ventilating, air conditioning equipment	3
Hot cells & labs	3
Hydraulic equipment	3
In-line sampling and analysis equipment	3
Inspection & classification	3
Inspection and audit, third party	3
Inspection equipment	3
Inspection materials	3
Inspection, in-service	3
Inspection, pre-service	3
Installations, electrical	3
Installations, instrumentation	3
Installations, mechanical	3
Instrument repair/calibration	3
Instrumentation	3
Instrumentation and control and electrical systems	3
Instrumentation and control engineering	3
Instrumentation cabinets, consoles, panels	3
Integrated service and maintenance	3
Inverters	3
Ion exchange materials	3
Ion exchange resin services	3
Irradiation rigs and capsules	3
Isotope storage and handling	3
Laundry services	3
Leak detection equipment and services	3

Leak detection systems for in-service monitoring	3
Leak rate measurement services	3
Leak sealing	3
Level indicators	3
Lighting equipment	3
Liners, plastic	3
Loose parts monitors	3
Maintenance	3
Management consulting and services	3
Manipulators	3
Mass spectrometers	3
Modern Power Systems	3
Modernisation and upgrades	3
Monitors	3
Motors	3
Motors, main coolant pump	3
Neutron absorbing materials	3
Non-destructive testing	3
Non-destructive testing equipment	3
Nozzle dams	3
Packings and glands	3
Paint systems	3
Pipe bending and cutting equipment	3
Pipe fittings, flanges and union	3
Pipe hangers & supports	3
Pipe inspection	3
Pipe whip restraints	3
Pipes and tubes	3
Pipework systems	3
Piping shock absorbers	3
Plant life prediction and extension	3
Pneumatic transfer equipment	3
Post accident sampling and monitoring systems	3
Power supplies	3
Power supply protection systems	3
Pressure Switches	3
Pressure Transmitters	3
Procurement	3
Project management	3
Protective clothing	3
PWR Reactor Vessel Head Replacement	3
Radiation area surveys	3
Radiation counters	3
Radioactive waste characterisation	3

Radioactive waste compactors	3
Radioactive waste handling and management analysis	3
Radioactive waste incinerators	3
Radioactive Waste Management	3
Radioactive waste monitoring	3
Radioactive waste packaging	3
Radioactive waste shredders	3
Radiochemicals	3
Radiographic equipment	3
Radioisotopes	3
Radwaste solidification and encapsulation	3
Radwaste storage and transport containers	3
Refuelling services	3
Remote repair and maintenance devices	3
Remote vehicles	3
Resins, ion exchange	3
Resistance temperature detectors (RTDs)	3
Respiratory protection equipment	3
Safeguards equipment and services	3
Safety parameter display systems	3
Scintillators	3
Sealing materials	3
Seals and sealing systems	3
Seawater desalination plant	3
Security systems and equipment	3
Seismic instrumentation	3
Servosystems and equipment	3
Shielded containers	3
Shielding doors	3
Shielding systems	3
Shielding windows	3
Simulators, training	3
Siting studies	3
Snubber test and reduction services	3
Snubbers	3
Spare parts management	3
Spent fuel management and backend services	3
Spent fuel pool cleaning services	3
Spent fuel storage and transport casks	3
Spent fuel storage facilities, engineering and constr.	3
Springs	3
Steam generator inspection	3
Steam generator replacement	3
Steam generator services	3

Steam generator tubing	3
Strainers, high pressure	3
Strainers, low pressure	3
Stress corrosion cracking, analysis and treatment	3
Stud Tensioners	3
Switchgear	3
Tanks, storage	3
Television inspection services and equipment	3
Temperature measurement	3
Tensioners, stud and bolt	3
Thermocouples	3
Training, filter system test and operation	3
Training, general	3
Training, health physics	3
Training, maintenance	3
Training, operator	3
Training, quality management	3
Transducers	3
Transmitters, pressure	3
Transmitters, temperature	3
Transport of nuclear materials	3
Transport/storage casks	3
Vacuum equipment	3
Valve and valve actuator maintenance	3
Valve diagnostic systems	3
Valve position indicators	3
Valve repair, in line	3
Valve testing, on line	3
Valves, solenoid	3
Valves, vacuum	3
Vibration/noise measurement	3
Water quality and chemistry, analysis & control eq	3
Water treatment	3
Waterproofing materials	3
Welding, waste container	3
Outage and maintenance management services	N/A
Reprocessing	N/A