

Industrial technical failure								"H" followed by a number denotes a hazard which will require a national and a local response, "HL" would not normally warrant a national response. Both "H" and "HL" hazards are nationally defined. "LI" followed by letters and numbers are locally identified hazards.				
Date of revision: MAY 2006								Next review date: MAY 2008				
Risk ref	Hazard or threat category	Hazard or threat subcategory	Outcome description	Likelihood	Impact	Risk rating	Capability required	Controls currently in place	Possible risk treatment required	Risk priority	Lead responsibility	Review date
H38	Industrial technical failure	Technical failure of upstream (offshore) oil/gas platform network leading to a disruption in upstream oil and gas production.	Technical failure leading to a catastrophic accident destroying all or parts of an offshore facility and taking 6 months to restore normal levels of service. A fire or explosion on board a significant offshore installation could result in a 5-30% loss of gas supply to the UK which, at the top end, would cause the disconnection of users with interruptible supply and would impact on power generation, possibly prompting 3 hour rota electricity cuts. Downstream oil would not be so adversely affected given alternative means of supply.	Unlikely	Moderate	High	Undergoing a national capabilities review.	<ul style="list-style-type: none"> <li>Industry regulations</li> <li>Combined Response Document</li> </ul>	<ul style="list-style-type: none"> <li>Business continuity</li> <li>Alternative supplies</li> </ul>	3	Government Office for the East of England.	Dec 2007
H39	Industrial technical failure	Accidental failure at water/waste treatment works.	Between 10,000 and 50,000 people without piped water for up to three days.	Negligible	Moderate	Medium	Undergoing a national capabilities review.	<ul style="list-style-type: none"> <li>DWI Regulators (provision of water) Statutory duties</li> <li>Company policies Liaison with utilities</li> <li>Combined Response Document</li> </ul>	None	3	Local water authorities.	Dec 2007
H40	Industrial technical failure	No notice failure of public telephony provider.	Loss of service for up to 100,000 people for up to five hours.	Rare	Minor	Low	Undergoing a national capabilities review.	<ul style="list-style-type: none"> <li>Industry regulations</li> <li>Combined Response Document</li> </ul>	<ul style="list-style-type: none"> <li>Backup systems</li> </ul>	2	Government Office for the East of England.	Dec 2007
H41	Industrial technical failure	Technical failure of electricity network.	Total shutdown of the electricity supply over the whole of mainland UK, occurring during working hours and lasting 24hrs.	Rare	Moderate	Medium	Undergoing a national capabilities review.	<ul style="list-style-type: none"> <li>Industry regulations</li> <li>Energy Act</li> <li>Combined Response Document</li> </ul>	<ul style="list-style-type: none"> <li>Local authorities to review plans considering "black start" events</li> </ul>	4	EDF Energy.	Dec 2007
H43	Industrial technical failure	Tele-communications infrastructure – human error.	Loss of telecommunications across a UK region for up to five days.	Unlikely	Moderate	High	Undergoing a national capabilities review.	<ul style="list-style-type: none"> <li>Industry regulations</li> <li>Combined Response Document</li> </ul>	<ul style="list-style-type: none"> <li>Multi-agency co-operation, exercises and training Robust backup systems</li> </ul>	4	Government Office for the East of England.	Dec 2007
H45	Industrial technical failure	Technical failure of electricity network.	Total shutdown of the electricity supply over an entire region lasting 24hrs and occurring during working hours.	Unlikely	Moderate	High	Undergoing a national capabilities review.	<ul style="list-style-type: none"> <li>Industry regulations</li> <li>Energy Act</li> <li>Combined Response Document</li> </ul>	<ul style="list-style-type: none"> <li>Multi-agency planning</li> </ul>	4	EDF Energy.	Dec 2007