HO 225		
Citable Reference	**Description**	**End Date**
HO 225	Home Office: Scientific Adviser's Branch: Reports. This series of reports is concerned with scientific aspects of the possible threat to the civil population posed by a future war using atomic or thermonuclear weapons, and the consideration of measures that might be employed to mitigate the effects of enemy attack. The earlier papers presuppose a major threat from atomic weapons of the kind used on Hiroshima and Nagasaki, whereas those of later date deal with the more serious threat arising from thermonuclear weapons. These reports do not at any point define government policy on the subjects discussed. They formed part of the input of the Scientific Adviser's Branch to the policy-making process, and/or suggested areas where further research was necessary.	1966
HO 225/1	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Some aspects of shelter and dispersal policy to meet atomic attack.	1948
HO 225/2	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Preliminary note on the present vulnerability of British cities to fire storms from air attack.	1948
HO 225/3	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Some considerations affecting a points system for the allocation of space in public shelters.	1949
HO 225/4	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The `builtupness' of Inner London.	1948
HO 225/5	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). An assessment of the effects of an attack on an average area of Inner London with nerve gas. with corrigenda.	1950
HO 225/6	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The atomic bomb as a fire raiser: a study of the mechanism of initiation and development.	1949
HO 225/7	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The relative advantages of open and closed windows during air attack.	1949
HO 225/8	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The risk of fire	1949

	from air attack (prepared for the Working Party on Emergency Fire Fighting).	
HO 225/9	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Notes on a possible method of defining `bulls eye' areas.	1949
HO 225/10	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The fire risk attendant on the use of blackout curtains during an atomic bomb attack.	1949
HO 225/11	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). A summary of information on the effect of atmospheric conditions on heat flash, gamma radiation, and blast from an airburst atomic bomb.	1949
HO 225/12	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). A comparison between the number of people killed per tonne of bombs during World War I and World War II.	1949
HO 225/13	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The economic and social effects of the German air attacks on certain British cities.	1949
HO 225/14	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The advantage of lying prone in reducing the dose of gamma rays from an airburst atomic bomb.	1949
HO 225/15	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Some advantages and disadvantages of a multi-standard shelter scheme.	1949
HO 225/16	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The number of atomic bombs equivalent to the last war air attacks on Great Britain and Germany.	1950
HO 225/17	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Comparison of day and night population distributions of Birmingham.	1950
HO 225/18	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Some simple means of locating the direction of an airbust atomic bomb explosion.	1950
HO 225/19	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Proposals for defining central key areas.	1950
HO 225/20	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Conference with senior Metropolitan Police officers 13 July 1950: analysis of questionnaires.	1950
HO 225/21	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The zoning of towns for fire susceptibility: shortened version issued to the fire service.	1951

HO 225/22	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). An analysis of the time taken to distribute air raid warning messages during exercise `Emperor'.	1951
HO 225/23	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The hazard from inhaled fission products in rescue operations after an atomic bomb explosion.	1951
HO 225/24	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Time allowance to be made in issuing air raid warnings.	1951
HO 225/25	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Preliminary report on exercise `Pinnacle'.	1951
HO 225/26	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Some radiological hazards of atomic warfare in relation to civil defence.	1951
HO 225/27	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Deaths from fire in large scale air attack with special reference to the Hamburg fire storm.	1952
HO 225/28	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Deaths from fire in large scale air attack with special reference to the Hamburg fire storm: report by Kathleen F Earp.	1953
HO 225/29	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The increase in the number of atomic casualties due to large public gatherings.	1952
HO 225/30	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Atomic warfare in relation to civil defence: lectures given to the staffs of HO Regional Scientific Advisers at AERE, Harwell, 4-6 December 1951.	1952
HO 225/31	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The standard of protection of trench shelters.	1952
HO 225/32	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Scientific Adviser's Branch: reports. Missing at transfer.	1952
HO 225/33	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The influence of accuracy of attack on atomic casualties.	1952
HO 225/34	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Assessment of the damage and the number of casualties and homeless likely to result from an attack on Glasgow with an atomic bomb.	1953

HO 225/35	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The distribution of (air raid) warning messages.	1953
HO 225/36	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Final report on exercise `Pinnacle'.	1953
HO 225/37	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Atomic warfare in relation to civil defence: lectures given to the staffs of HO Regional Scientific Advisers at AERE Harwell, 1-3 Oct 1952.	1953
HO 225/38	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The effect of size of warning district on the duration and frequencies of air raid warning to be expected under a possible all-out attack.	1953
HO 225/39	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Exercise `Ardent': the best possible performance of the air raid warnings organisation against Camberra attacks.	1953
HO 225/40	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Reservoir dams, Sheffield: danger of breaking from atomic attack on Sheffield.	1953
HO 225/41	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Gamma ray penetration of grade A concrete shelters: comparison of dosage and casualty estimates.	1953
HO 225/42	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Estimates, for exercise purposes, of the radio-active contamination of land areas from an adjacent underwater explosion.	1953
HO 225/43	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Population movement related to atomic attack: analysis of questionnaires by the Metropolitan and Birmingham police.	1953
HO 225/44	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Notes on the possibility of an industrial warning.	1953
HO 225/45	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Gamma radiation dose rates at heights of 3-3000 feet above a uniformly contaminated area.	1953
HO 225/46	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Basic studies on the casualties and homeless to be expected from heavy air attacks.	1953

HO 225/47	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The vulnerability of flour mills to atomic attack.	1953
HO 225/48	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The safety-cost relationship for certain types of surface and trench shelters.	1954
HO 225/49	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The safety-cost relationship of certain basement shelters and comparison with surface and trench shelters.	1954
HO 225/50	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Note on the communication needs of the air raid warning organisation.	1953
HO 225/51	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Assumed effects of two atomic bomb explosions in shallow water off the port of Liverpool.	1954
HO 225/52	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Fatal casualties likely to result from an air attack on UK cities with 20 atomic or hydrogen bombs of varying power.	1954
HO 225/53	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Assessment of the distribution of private evacuees to be expected in a future emergency.	1954
HO 225/54	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Some aspects of shelter and evacuation policy to meet H bomb threat.	1954
HO 225/55	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Provisional estimates of the results of a hydrogen bomb explosion.	1954
HO 225/56	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Exercise `Momentum'.	1954
HO 225/57	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Comparison of methods for assessing the effect of area bombing with toxic weapons.	1954
HO 225/58	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Seriously injured casualties likely to result from an attack on UK cities with 20 atomic or hydrogen bombs of varying power.	1954
HO 225/59	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Radiological effects from ground burst atomic bomb. Missing at transfer.	1955

HO 225/60	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Some published statements on radioactive fallout from hydrogen weapon. Missing at transfer.	1955
HO 225/61	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Neptunium as a residual radiation hazard.	1955
HO 225/62	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The effective energy of fission product gamma radiation.	1955
HO 225/63	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Preliminary considerations in regard to the worth whileness of incorporating a steel or reinforced concrete frame in multi-storey buildings.	1954
HO 225/64	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The protection afforded by trenches and refuge rooms against radioactive ground contamination.	1954
HO 225/65	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The probability of radioactive fallout in different parts of the United Kingdom. with addendum.	1955
HO 225/66	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). A proposed system of radiological control for civil defence operations in an area devastated by a nuclear explosion.	1956
HO 225/67	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Preliminary report on siren trials at Potters Bar, Battersea and Uckfield.	1956
HO 225/68	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Protection against gamma radiation from fallout.	1956
HO 225/69	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The penetration of gamma radiation from a uniform contamination into houses: first report on some field trials.	1956
HO 225/70	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). A comparison between observed and calculated protection against fallout radiation.	1956
HO 225/71	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Numbers of casualties from a groundburst megaton weapon likely to be personally contaminated by radioactive material.	1956
HO 225/72	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Casualty estimates for ground burst 10 megaton bombs.	1956

HO 225/73	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The hazard from inhaled fission products in rescue operations after an atomic bomb explosion.	1956
HO 225/74	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Durability of coated window glass as a heat radiation shield.	1956
HO 225/75	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The domestic fallout shelter surveyed in Guildford and Halifax. Missing at transfer.	1956
HO 225/76	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). A simplified table of predicted factors in normal British houses and flats. Missing at transfer.	1956
HO 225/77	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). A method of assessing the protection afforded by buildings against gamma radiation from fallout.	1956
HO 225/78	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Some long term shelter possibilities.	1956
HO 225/79	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Developments in the UK in relation to a fallout reporting organisation.	1956
HO 225/80	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Royal Observer Corps post 2/N1 Farnham, Surrey: conditions of the atmosphere when post is sealed for 6 hours, 30 September 1956. with addendum.	1957
HO 225/81	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Airborne public address systems.	1956
HO 225/82	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The transmission of fallout information to civil defence regions and the manner of its use at Regional Headquarters.	1957
HO 225/83	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Imber Court maroon trial.	1957
HO 225/84	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Space requirements in sealed shelters.	1957
HO 225/85	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Scientific Adviser's Branch: reports. Missing at transfer.	1957

HO 225/86	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Scientific Adviser's Branch: reports. Missing at transfer.	1957
HO 225/87	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Some recent information from USA about fallout from groundburst megaton weapons.	1957
HO 225/88	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Royal Observer Corps post 2/N1, Farnham, Surrey: conditions in sealed post under cold weather conditions 22/23 January 1958.	1958
HO 225/89	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Survey of the protection afforded in private houses against radiation from fallout.	1958
HO 225/90	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Royal Observer Corps 2/N1, Farnham: report of tests carried out 12/13 July 1958 to study atmospheric conditions in the post when sealed for 10 hours with four occupants, and to study time required to ventilate the post.	1958
HO 225/91	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The speed and accuracy of reading ground zero indicators.	1958
HO 225/92	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The deployment of civil defence forces into damaged area contaminated by fallout.	1959
HO 225/93	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Mains-independent warning devices.	1959
HO 225/94	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Upwind fallout from megaton explosions.	1959
HO 225/95	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Survey of protection afforded in communal buildings and private houses against radiation from fallout.	1959
HO 225/96	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The decontamination of residential areas. with addendum.	1959
HO 225/97	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Uptake of radioactivity in fire hoses.	1959
HO 225/98	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Royal Observer Corps post 2/N1, Farnham: 48 hour trial in closed underground post, fully manned	1960

	and equipped with hand-operated bellows, 1-3 December 1959.	
HO 225/99	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The decay of fallout radiation: lecture given at Regional Scientific Advisers' Conference 11 May 1960.	1960
HO 225/100	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The hazards from direct exposure to fallout in a damaged area.	1960
HO 225/101	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Downwind fallout area from groundburst megaton explosions.	1960
HO 225/102	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Notes on radiological filters for civil defence control centres.	1960
HO 225/103	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Retention of fallout particles on roof surfaces and their removal by washdown with water.	1961
HO 225/104	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The calculation of dose rates from fallout at Royal Observer Corps posts by electronic computer.	1961
HO 225/105	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Scientific Adviser's Branch: reports. Missing at transfer.	1961
HO 225/106	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Probability of occurrence for the whole year of vector means of winds over the British Isles.	1961
HO 225/107	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The calculation of fallout risks.	1961
HO 225/108	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Assessment of the protection offered by buildings against radiation from fallout.	1962
HO 225/109	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The fire ranges of nuclear explosions in the 10-100 megaton range.	1962
HO 225/110	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Habitability in local authority civil defence control centres: 24 hour trial in Tottenham sub area control on 14/15 September 1961.	1962
HO 225/111	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). A new gas detector kit.	1962

HO 225/112	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The estimation of ignition ranges for megaton explosions outside the earth's atmosphere.	1962
HO 225/113	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Report on road decontamination trials carried out at the Fire Service Training Centre, Moreton in Marsh, on 16 February 1962.	1962
HO 225/114	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Chemical protection against effects of ionising radiations.	1962
HO 225/115	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Report to NATO Shelter Working Party on Fallout Shelters.	1962
HO 225/116	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Research on blast effects in tunnels with special reference to use of London tubes as shelter.	1963
HO 225/117	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Experimental determination of protective factors in a semi detached house with or without core shelters.	1964
HO 225/118	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Requirements for a biological warfare detection system; effect of speed of response as a proportion of population which can be warned.	1964
HO 225/119	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Civil defence aspects of radioactive contamination in agricultural produce.	1964
HO 225/120	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The implications of clean bombs for civil defence.	1964
HO 225/121	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Ignition and fire spread in urban areas following a nuclear attack.	1964
HO 225/122	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Reports of shelter trials.	1964
HO 225/123	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Fallout prediction using a probability method.	1965
HO 225/124	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Civil defence considerations in new buildings.	1965

HO 225/125	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The behaviour of simulant fallout on roof surfaces covered in polyvinyl chloride.	1965
HO 225/126	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Scientific Adviser's Branch: reports. Missing at transfer.	1965
HO 225/127	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Three-day test of a typical UK basement as a fallout shelter with only natural ventilation: occupancy trial in the basement of CD Centre, Twickenham.	1966
HO 225/128	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The psychology of fear.	1965
HO 225/129	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Civil defence in tall buildings.	1965
HO 225/130	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). The energy required for ignition with very short exposure times.	1966
HO 225/131	Home Office: Scientific Adviser's Branch: Reports (CD/SA Series). Report on measurements of transmission of visible radiation at Orfordnness.	1959