

Table 1 Information requirements and actual process of aerial photographs in the disaster of the Southern Hyogo Prefectural Earthquake

Time	Stage	Topics of newspapers and other events	Information requirements	Process of aerial photographs
Origin Time		Outbreak of earthquake at 5:46 (M7.2)		
10 minutes	Extinguishing fire	Disaster declaration announced Hyogo disaster prevention information system down	Evaluation of damage scale	
1 hour	Emergency response	The Ground Self-Defence Force set up emergency service Disaster assistance headquarters established in municipalities Reconnaissance helicopter dispatched Public servant injured → No information	Estimations for initial motion	
3 hours	Relief	Fire brigade dispatched Police agency starts relief activities Investigators convey foods to shelters	State of damaged spot Number of casualties / Identification of casualties Operation of city function(roads/railways/lifelines)	
6 hours		Hyogo disaster prevention information system recovered Support from Tokyo requested Water/food supply started at some shelters	Actual damage scale (rough) State of emergency response	Taking
12 hours		The Ground Self-Defence Force starts relief activities Relief goods from surrounding municipalities of disaster area requested Many fires break out at the same time Water supply interrupted	State of relief activities State of Roads to decide relief routes and goods transport State of evacuation	Development Printing
1 day		The law of disaster relief enacted Life in shelters starts	Distribution of collapsed houses Lots for temporary houses	Photograph release Interpreting
3 days	Restoration	Application for temporary houses started Headquarters for food service established Expenses of restoration estimated Some part of administrative function restored Investigation of needs started Landslides caused frequently by rain Investigation of structures hazard started Electricity supplied throughout disaster area	Base maps Restoration plan (for official report) State of tight slope Weather prediction Warning of multi-hazard Actual damage scale (accurate) State of public facilities/organizations	
1 week		Support for waste disposal requested Mental care started such as temporary bath Redevelopment plan published More temporary houses established against refugee increase Certificate of harm issued Investigations of casualties and collapsed houses almost complete Start to distribute donations	Issued living information	Maps of damage situations Bird's-eye Views
3 weeks		Final statistics of collapsed houses published Decided to preserve permanently Nojima faults Objections against damage judgment arise → Re-investigation started	Statistics of damage scale Disaster/damage scale (for official report) Geographical displacement State of public facilities/organizations (for official report)	
1 month	Redevelopment	Refugees start to move into temporary houses FM broadcast started Undergraduate volunteers pullout Many residents in Ashiya city move out Application for house dismantling increased Local planning of disaster prevention reconsidered GPS control point survey started Town restoration plan posted up Water service restored in a few cities	Substantial living information (for publishing) Plan for redevelopment (for official report)	
2 month		Headquarters for redevelopment established Urban planning plan approved		
3 months		Rubble disposal delayed	State of redevelopment	3-D measurement