

File S2

Questionnaire about assessment of smart community safety

Dear experts,

Thank you for participation in the questionnaire survey. This is the research team from Department Engineering Management of School of Mechanics and Civil Engineering, China University of Mining and Technology by Prof. Linxiu Wang and Lecturer Tianntian Gu.

This interview focuses on how to evaluate the smart community safety level by considering the multi-level evaluation indicators. The multi-level assessment system has been developed as shown in Figure B-1. Now, we try to determine the weights of indicators based on your valuable opinions. Please mark in Table B-1~B-8 according to your knowledge and experience.

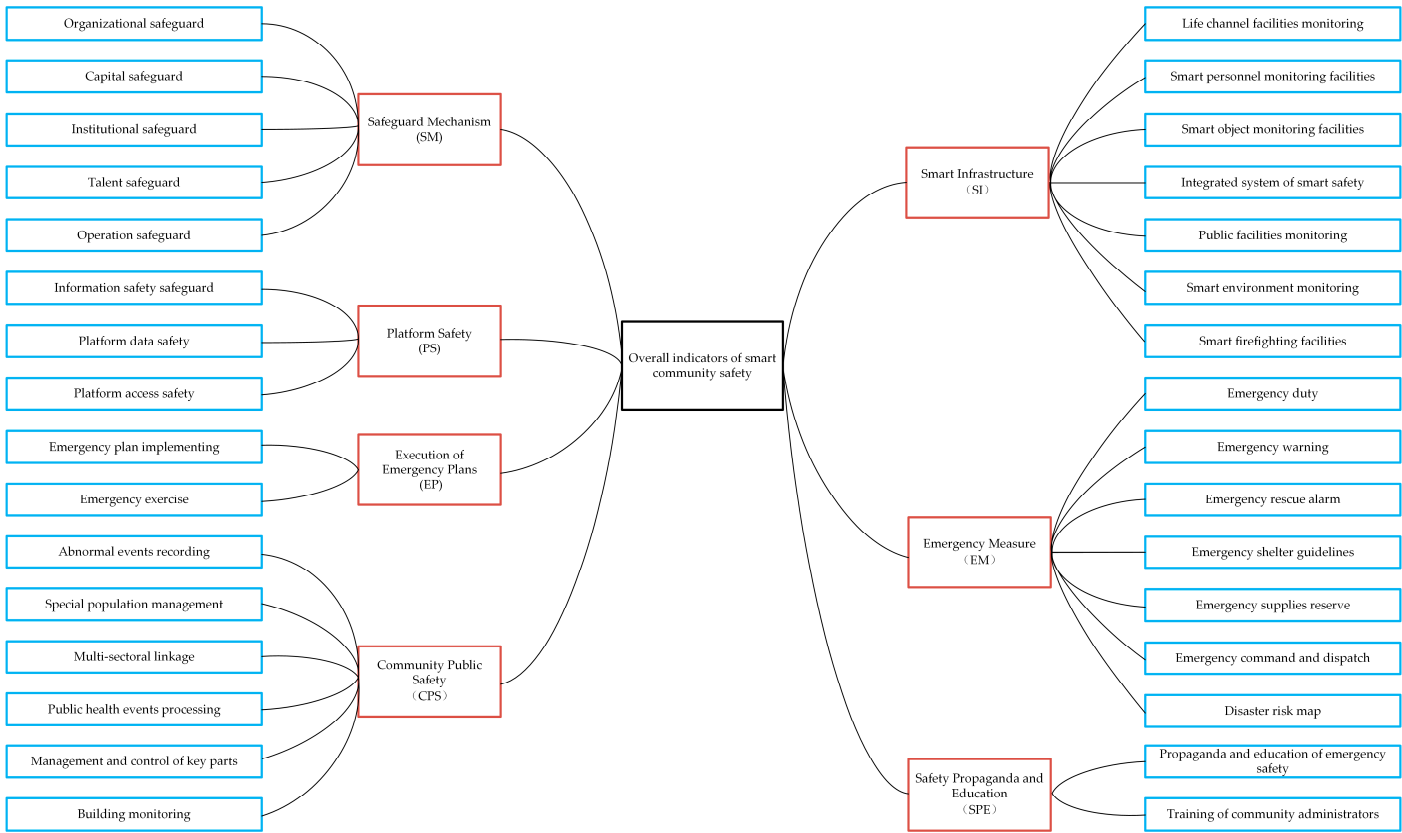


Figure B-1. The assessment indicators of smart community safety.

1. Basic information of the expert.

Table B-1. Basic information of the expert.

Individual characteristics	Items	Symbol (√)
Gender	Male	
	Female	
Education level	Doctorate degree	
	Master's degree	
	Others	
Working experience	More than 5 years	
	3 to 5 years	

Individual characteristics	Items	Symbol (√)
	1 to 3 years	
	Less than 1 year	
Occupation	College teacher	
	Government employee	
	Manager of the enterprise	
	Others	

2. Selecting and determining the evaluation indicators of smart community governance.

Please mark Table B-2 according to your knowledge and experience. Ranging from 1(very unimportant) to 5 (very important). '√' is used for marking. In particular, new indicators suggested by the expert can be added at the bottom of Table B-2 and the corresponding score can be given by marking '√'.

Table B-2. The questionnaire for selecting evaluation indicators of smart community governance and determining their weights.

Dimension	Indicators	Code	Scoring				
			1	2	3	4	5
Safeguard Mechanism (SE)	Organizational safeguard	SE11					
	Capital safeguard	SE12					
	Institutional safeguard	SE13					
	Talent safeguard	SE14					
	Operation safeguard	SE15					
Platform Safety (PS)	Information safety safeguard	SE21					
	Platform data safety	SE22					
	Platform access safety	SE23					
Execution of Emergency Plans (EP)	Emergency plan implementing	SE31					
	Emergency exercise	SE32					
Community Public Safety (CPS)	Abnormal events recording	SE41					
	Special population management	SE42					
	Multi-sectoral linkage	SE43					
	Public health events processing	SE44					
	Management and control of key parts	SE45					
	Building monitoring	SE46					
Smart Infrastructure (SI)	Life channel facilities monitoring	SE51					
	Smart personnel monitoring facilities	SE52					
	Smart object monitoring facilities	SE53					
	Integrated system of smart safety	SE54					

Dimension	Indicators	Code	Scoring				
			1	2	3	4	5
	Public facilities monitoring	SE55					
	Smart environment monitoring	SE56					
	Smart firefighting facilities	SE57					
Emergency Measure (EM)	Emergency duty	SE61					
	Emergency warning	SE62					
	Emergency rescue alarm	SE63					
	Emergency shelter guidelines	SE64					
	Emergency supplies reserve	SE65					
	Emergency command and dispatch	SE66					
	Disaster risk map	SE67					
Safety Propaganda and Education (SPE)	Propaganda and education of emergency safety	SE71					
	Training of community administrators	SE72					
Others	New indicators suggested by the experts	SE81					
					

3. More suggestions of the expert.

Please fill in your suggestions on the selection of indicators in Table B-3.

Table B-3 More suggestions on selecting evaluation indicators of smart community governance.

--

Thanks a lot for your cooperation!