

Seminar on Emergency Telecommunications Network for Developing Countries

Name	Seminar on Emergency Telecommunications Network for Developing Countries		
Organizer	CIFAL Shanghai International Training Center		
Time	2024-10-15 -- 2024-10-28	Language for Learning	English
Invited Countries	Developing Countries		
Number of Participants	25		
Requirements for the Participants	Age	Under 45 for officials at or under director's level; under 50 for officials at director general's level.	
	Health	In good health with health certificate issued by the local public hospitals; without diseases with which entry to China is disallowed by China's laws and regulations; without severe chronic diseases such as serious high blood pressure, cardiovascular/cerebrovascular diseases and diabetes; without mental diseases or epidemic diseases that are likely to cause serious threat to public health; not in the process of recovering after a major operation or in the process of acute diseases; not seriously disabled or pregnant.	
	Language	Capable of listening, speaking, reading and writing in English during the training	
	others	Family members or friends shall not follow	
Host City	Shanghai	Local Temperature	Autumn: 20°C-32°C
Cities to visit	Wuhan City, Hubei Province	Local Temperature	Wuhan City:13°C-26°C
Notes	<ol style="list-style-type: none"> 1. Please prepare your valid passport and visa in advance. 2. If you are unable to depart on time due to special circumstances, or if your flight is delayed when connecting, please contact the program contact person to inform the latest flight status in order to arrange for pick-up. 3. In principle, personal changes to international tickets are not allowed; if you really need to do so, please contact the Business Office for ticket change procedures. If personal change is made to the air tickets without consent, the resulting costs and responsibilities will be borne by the individual. 4. Please check if you need to re-handle your baggage check-in when you transfer to another flight. After picking up your baggage, please wait patiently at the international arrival exit (or domestic arrival exit) and the staff will pick you up with the pick-up sign with the name of the organizer. If you wait for more than 15 minutes, you can communicate with the program contact person by phone. 5. If you need to register with the airline in case of lost checked luggage, please call the program contact person to confirm the luggage delivery address before filling out the registration form. 6. Please pay attention to the weather of the destinations and bring appropriate clothing; prepare light footwear to facilitate visits and investigations; attend the important activities of the Seminar in formal wear or national costume. 7. Please bring a small amount of common medicines as necessary. 		

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About the Organizer	<p>CIFAL Shanghai International Training Center (CIFAL Shanghai) is a professional institution for consulting, researching, cooperative communication, and training in the field of global economics and informatization approved by the Ministry of Foreign Affairs of the People's Republic of China and co-founded by United Nations Institute for Training and Research (UNITAR) and Regional Cooperation Office for City Information (RCOCI). Through multilateral cooperation, we provide government officials and enterprise managers with opportunities for systematic learning and knowledge exchange in the areas of sustainable development, urban management, science and technology innovation, and information technology application. Working closely with domestic and foreign government agencies, research institutes, renowned universities, and professional enterprises, we provide our partners with services and decision-making support on informatization projects. Meanwhile, CIFAL Shanghai is carrying out extensive cooperation with relevant United Nations agencies, and other international organizations in the areas of project implementation, technical exchanges, and personnel training.</p> <p>CIFAL has completed a series of research and consulting projects on informatization with an opening business model of cooperation and sharing. Till now we have successfully held 7 "Asian-Pacific Urban Informatization Forums", 4 "Global Urban Informatization Forums" and more than 100 seminars on information technologies facing domestic and international participants.</p> <p>Since becoming one of the organizers of the China aid training program in 2009, and has always actively organized various training seminars with a strong sense of responsibility and mission. Till now we have successfully held 103 China Aid training seminars, and have received more than 2,800 government officials, scholars, professionals, and technicians from 135 countries and regions as the participants. Our work is highly praised by the recipient countries and the participants.</p>	

Seminar
Content

1. The introduction of the seminar and content.
 - (1) Overview of China: Mainly introducing China's natural resources and human environment, political system and governance philosophy, economic system and development stages, development of social undertakings and ensuring people's livelihood and happiness, etc. Share China's experience in reform, opening up and economic development, the "Belt and Road" initiative and measures, China's experience in attracting foreign direct investment, etc., and discuss with participants the development of China's industrial park development, development zone planning, infrastructure construction, and operation management, exchange and discussion.
 - (2) Emergency communication network development: Introduce the basic concepts, development history, and application fields of emergency communication, and explain the importance and role of emergency communication in responding to emergencies. Introduce the history and development of emergency communication, introduce the development of emergency communication networks in developed countries, and share the current situation and experience of China's emergency communication network development;
 - (3) Emergency communication network technology: Introduce the core technology and characteristics of an emergency communication network, including wireless communication technology, limited communication technology, satellite communication technology, hybrid communication technology, artificial intelligence technology, etc.;
 - (4) Emergency communication network architecture: Through explanation and practice, introduce the overall architecture method of emergency communication network, and introduce how to build a three-dimensional, multi-linked emergency communication network.
 - (5) Emergency communication network construction: Introduces the construction plan, key technologies and implementation steps of the emergency communication network, including rapid deployment, anti-interference and adaptive capabilities;
 - (6) Emergency communication network equipment: Introduces the key equipment used in the emergency communication network, including mobile base stations, wireless routers, satellite communication terminals and portable communication terminals, as well as the selection, configuration and use of equipment;
 - (7) Emergency communication protocols and standards: Explains the communication protocols and standards used in emergency communications, including TCP/IP protocols, satellite communication protocols and various wireless communication protocols, as well as how to ensure the reliability and security of communications;
 - (8) Emergency command and decision support system: Introduces the functions, composition and technical implementation of the emergency command and decision support system, including information collection, processing, analysis and
 - (9) Practical operation and case analysis: Through practical operation and case analysis, students can gain an in-depth understanding of the operation mechanism and practical experience of emergency communication networks, including simulation exercises, actual scenario applications and sharing of successful cases;
 - (10) Application scenarios and case analysis of emergency communication networks: Through case analysis, the construction of emergency communication networks in different application scenarios is introduced, including natural disaster emergency communication, public health emergency communication, social security emergency communication, enterprise emergency communication, etc.;
 - (11) Laws, regulations and ethical norms: Emphasize the laws, regulations and ethical norms that should be observed in the construction, use and management of emergency communication networks, and how to ensure the security and legality of information.
 - (12) Seminar discussion: With the theme of "Construction and development of emergency communication networks", participants will propose development suggestions for their corresponding fields based on what they have learned and their own situation.
2. Visit and Investigation
 - (1) It is proposed to arrange the participants to visit Shanghai Huguang Communication Equipment Co., Ltd. on the application of emergency communication equipment.
 - (2) It is proposed to arrange the participants to visit Shanghai Civil Defense Education Center to learn about Shanghai's emergency management and emergency communication network construction
 - (3) It is proposed to arrange the participants to visit "Yangtze Optical Fiber and Cable Co.,

Ltd." in Wuhan to learn about wired emergency communication solutions and emergency optical cable construction and management. It is also proposed to visit "FiberHome Communications Technology Co., Ltd." to learn about FiberHome's smart emergency solutions.

3. Cultural Experience

It is proposed to arrange for fellow participants to experience Chinese tea culture, watch traditional cultural performances, and appreciate the profound traditional culture of China.

4. Introduction of Main Lecturers

(1) Huang Xuan: General Manager, Shanghai Unicom Intelligent Manufacturing Division.

(2) Wang Liang: Professor and doctoral supervisor, School of Optics and Electronic Information/School of Future Technology, Huazhong University of Science and Technology, distinguished expert of "Hubei Province Hundred Talents Program", senior member of the Institute of Electrical and Electronics Engineers, and member of the Optical Society of America.

(3) Yang Liu: Associate Professor, Hubei University, has published more than 30 papers in important international journals and applied for more than 20 national invention patents.

(4) Li Jianyuan: Senior Engineer, China Information and Communications Technology Group Corporation

(5) Ouyang Caixiao: Senior Engineer, Associate Professor, Wuhan Software Vocational Engineering College

To facilitate communication between participants and Chinese experts, we recommend preparing relevant materials, such as 1. Overview of your country's emergency communication network construction. 2. Basis for cooperation between China and your country.