

ISO/TC223 WG3/TG

➤ **Workshop on Public Warning**

8th and 9th September, 2009

➤ **WG3/TG Meeting**

9th and 10th September, 2009

(National Center of Sciences, Tokyo, JAPAN)

Objectives

- **Suggestion to a way forward to establishing an international standard** relating to “Public Warning”
- **Three Main purposes** of this Workshop:
 - **Clarification on basic principles** for effective “Public Warning”
 - **Survey and summarizing on actual expressions** of “Public Warning”
 - **Learning and sharing current state-of-affairs** of “Public Warning” in the world
- **Proposal on a New Work Item** relating to “Public Warning”, using information gathered in the workshop

Programme

Date	Session Content	Presenter
8 th September, 2009	Opening Session Welcome Purpose of the Work Shop Opening Address	Tatsuo YAMAMOTO (METI) Haruo HAYASHI (Kyoto University) Fumitake GEJYO (Niigata University)
	Keynote Speech	Dennis MILETI (Professor Emeritus, University of Colorado, USA) Ernst-Peter DÖBBELING (TC223/WG3 Convenor)
	Reports of Japanese Governmental Activities on “Public Warning”	Yoshinobu FUKASAWA (Fire and Disaster Management Agency) Koji NUKINA, Keigo NAKAMURA (River Bureau, Ministry of Land, Infrastructure, and Transportation) Takuya DESHIMARU, Keiji DOI (Japan Meteorological Agency)
	Country Reports on “Public Warning”	Mandy MACKENZIE (UK) Håkan MARCUSSON (Sweden)
9 th September, 2009	Country Reports on “Public Warning”	Jeganathan RAMASAMY (Singapore) Supriyati ANDREASTUTI (Indonesia) Denis GUSTY (USA) Duke H. JEONG (Korea) Ki-Tae CHANG (Korea)
	Closing Session	Haruo HAYASHI (Kyoto University)

Overview

104 Participants from 11 countries

➤ Opening Session

- Welcome speech (Mr. Yamamoto)
- Explanation on **the purpose of the workshop** and **expected outcomes** (Dr. Hayashi)
- Introduction of **approaches to “Public Warning”** based on the experience of **Chuetsu earthquake in 2004** and **Chuetsu offshore earthquake in 2007** (Dr. Gejyo)

➤ Keynote Speech

- Introduction of **examples of disasters to be targeted for “Public Warning”**, **“Public Warning”** based on **evidences** and **its model** (Dr. Mileti)
- Introduction on **activities of ISO/TC 223 and WG3**, **approaches to “Public Warning”** in **EU** and **the general process** of **“Public Warning”** (Mr. Döbbeling)

Overview

➤ Reports of Japanese Governmental Activities

Approaches to “Public Warning” on fire prevention, flood, land slide, debris flow, typhoon and volcanic eruption

➤ Country Reports

- “Public Warning” in UK and needs of consideration on the people’s response to “Public Warning” (Ms. Mackenzie)
- “Public Warning” using mobile phone and Internet in Sweden and Netherlands (Mr. Marcusson)
- “Public Warning” system in Singapore, including a warning that indicates “All Clear” (Mr. Ramasamy)
- “Public Warning” in Indonesia and its recent problems and solutions (Dr. Andreastuti)
- “Public Warning” in the US, laws concerning “Public Warning” and the effectiveness of “Public Warning” using mobile phone (Mr. Gusty)
- “Public Warning” system in South Korea and approaches by private organizations (Dr. Joeng and Dr. Chang)

Poster Session

- Activities of ISO/TC 145
- Japanese Governmental Activities on “Public Warning”
- Private Organization Activities on “Public Warning” in Japan



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25 Participants from 8 countries

(Canada, Germany, Indonesia, Japan, Korea, Singapore, Sweden, UK)

- **Feedbacks from the Workshop**
- **Brainstorming**



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➤ Feedbacks from the Workshop

- Important elements of “Public Warning”
 - Message** is : Clear, Specific, Accurate, Certain, Consistent
 - About** : What, When, Where, Why, Who
 - And is **confirmed** : Repeated, Multiple Communication Channels
- Discussion on **graphical symbols**
- “**Public Warning**” Process
- Consideration to **the response of recipients** of “Public Warning”
- Consideration to the warning that indicates “**All Clear**”
- Consideration to the application of **the latest technologies** such as mobile phone

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119 ideas Generated then structured

- **Public Warning System**

Scope, Public warning system, Objective, Principles, Risk based, Design features, PDCA

- **Authorities**

Education, Information, Hazard detection, Warning dissemination, Coordination, Evaluation review, Pre-established scheme, Transparency

- **Message**

Effective communication, Message, Format, Action, Language, Alert

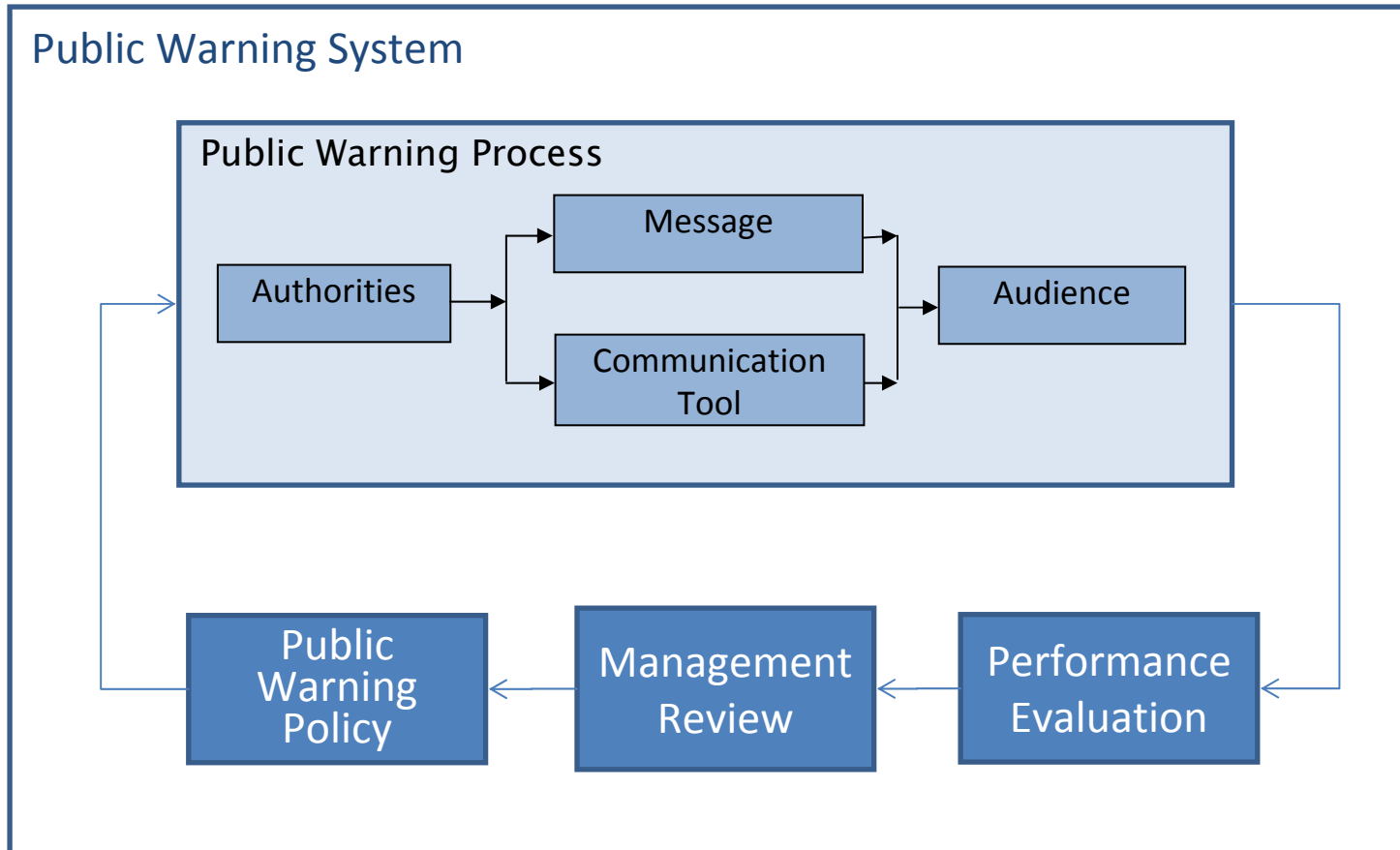
- **Communication Tool**

Multiple channels, Selecting communication technology, Time delay, Daily use, Free access, Maintenance system, Resilience, Continuous improvement

- **Population at Risk**

Prior education and drills, Knowing the risk, Knowing the appropriate action, Community resilience, Human resource factors, Special needs

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Three Things in Mind

- At beginning, each participant had a time to make his/her presentations so that we can share what were in our minds
- For brainstorming, we started with a tentative framework upon which new ideas could be generated freely on sticky papers.
- Using workshop style, generated ideas were structured by consensus

Basic Ideas for Standardization

- **Reference to the chapters of ISO 9000s/14000s**
 - Develop a standard for **effective functioning of “Public Warning” Process** and its **continuing improvement**
 - Make this standard **generic**
 - **Guidelines, Principles, Umbrella**
 - Show **the conceptions of, and steps** for effective “Public Warning”
 - Establish a “Public Warning” system **based on PDCA cycle**
- **Standardization of each specific field**
 - Standardize the “Public Warning” of each field **respectively** and make their **specific requirements**

Thank you very much

ご清聴ありがとうございました

