

# **World Exposition Shanghai China 2010**

## **Special Regulation N°. 1**

**Concerning the Definition of the Theme of the Exposition  
and the Guidelines for the Development of the Theme by  
the Organizer and the Participants**

(The Regulation was approved by the 138<sup>th</sup> BIE General Assembly on 1<sup>st</sup> December, 2005)

**Bureau of Shanghai World Expo Coordination**

## Article 1 Purpose

The purpose of this *Special Regulation* is, in accordance with Articles 1 and 34 of the *General Regulations* of the World Exposition Shanghai China 2010 (hereinafter referred to as “the Exposition”), and with the resolutions concerning the importance of the theme of International Expositions adopted by the 115<sup>th</sup> General Assembly of the Bureau International des Expositions (hereinafter referred to as “the BIE”) on June 8<sup>th</sup>, 1994 and by the 118<sup>th</sup> General Assembly on December 13<sup>th</sup>, 1995, to define the theme of the Exposition and to set forth the measures for the development of the theme to be taken by the Bureau of Shanghai World Expo Coordination (hereinafter referred to as “the Organizer”) and the participants.

## Article 2 General Principles

With regard to the theme of the Exposition, the Organizer and all participants shall comply with the *General Regulations* and the *Special Regulations* of the Exposition. The Commissioner General of the Exposition guarantees that the Organizer shall follow the theme in the presentations for which it is responsible. The Organizer shall assist participants and also provide coordination mechanisms in order to ensure that all participants follow the theme in their presentations. The Commissioner General of the Exposition shall have the final authority over all matters related to the theme of the Exposition.

## Article 3 Definition of the Theme

The theme of the Exposition 2010 Shanghai is “Better City, Better Life”. The topic has its origin in the thousands of years of human civilization. In the meantime, the selection of the theme is the continuity of the 154-year tradition of the World Expo, whose theme always reflects a common concern or interest of mankind at a

particular historical stage.

City is the crystallization of human civilization. Just as the American social philosopher Lewis Mumford put it, “the city is a special structure which, fine and compact, has been designed to preserve the fruits of human civilization.” Many western languages derived their versions of “Civilization” from the same Latin word “Civitas” (meaning “City”), and it is by no means a coincidence. By virtue of its embrative and regenerating nature, the city has played a significant role in the perfection of order in the human society, the fusion and evolvement of cultures and the accumulation of wealth. Created by the human, the city has rewarded the human with a rich, exquisite and wonderful life.

There is no denying, however, that the city today, due to its high-density living pattern, is faced with a series of challenges, such as spatial conflicts, cultural collisions, resources shortage and environmental degeneration.

With the fast urbanization of human society going on, how to improve the functioning of cities as the major carrier and mechanism of modern human life, and how to build a harmonious relationship between cities and their rural hinterland – these are increasingly becoming global agendas. As a super-large city in the Asia-Pacific region, Shanghai, China was honored, at the turn of the century, with the opportunity of playing host to the exposition, the very first Expo in history with a theme on cities.

The display of urban development and ideal urban life, as well as the understanding of the theme and exchanges regarding the theme, are conducive to the evolution of new models of urbanization, economic globalization and rural-urban integration and to the building of an environment-friendly city and a harmonious life. They may also help attract the attention of people from all walks of life in various countries to the settlement of problems facing the city and provide their rich imagination and all-round consideration about the future of humankind and the future of the city.

## **Article 4 Development of the Theme**

The Exposition will illustrate the concept of “City of Harmony” from five perspectives, namely, culture, economy, science and technology, communities, and rural-urban linkages. It is obvious that the five perspectives, or sub-themes, are inde-

pendent from each other, but closely interconnected at the same time. In the process of developing of the sub-themes both the historical and contemporary perspectives have been adopted. The connections between the sub-themes are also duly covered.

#### a. Blending of diverse cultures in the city

Ever since its birth, the city has been accommodating the co-existence of different groups of people and different cultures, so the blend of diverse cultures is a special scene in the city. In the process of urban development, military conflicts, trade and migration have led to and even driven the collision and blending of multiple cultures, finally forming the unique style of each city. The style stems on the one hand from the cultural heritage and creative industries of the city, and on the other reflects the life style and value orientation of city inhabitants of all social sectors.

Today, all countries in the world are paying more attention than ever to cultural freedom and cultural identity. In the climate of globalization, urban culture is subject to multiple impacts. For one thing, the prevalence of global or regional brands has led to the standardization of urban cultures, and the contact and collision between the relatively strong and weak cultures, between the foreign and the native cultures, and between the immigrant and the mainstream cultures, have never been more intense due to the free flow of information and people.

Cultural diversity also means a harmony between the past and the future. The city is a key locus for heritage conservation, but the desire for economic development and modernization tends to pose a threat to the survival of tradition and heritage in cities. In the meantime, thanks to the rapid speed of information transmission and digital technology today, more and more people are brought to the awareness of the protection of material and non-material heritages under threat.

For that matter, more and more city administrators have recognized that a cultural strategy connecting the past with the future, facilitating the harmonious co-existence of diverse cultures, and stressing cultural identification, will make an integral part of the master strategy of the city for sustainable development.

#### b. Economic prosperity in the city

The earliest cities had risen on the basis of bazaars and agglomeration effect has played a critical role in the economic development in the city as a driving power. The

urban economic prosperity may rely on its advantageous location, or its natural resources, or its human resources. In the age of knowledge economy, however, innovation and entrepreneurship have become the core driving force for sustainable economic development in the city. The innovation potential of the city depends on its research capacities, and more importantly on the creative interactions between people. Although closely connected with wealth of the city, entrepreneurship has for the most part derived from a cultural tradition that encourages risk-taking and business ventures. As innovation and entrepreneurship have to be carried out by people, the economic fate of the city depends on whether there are good work and living conditions to attract first-rate talents. In addition, good infrastructure facilities and consummate services will be a necessary support for economic prosperity in the city.

Admittedly conflicts exist between economic development and environmental conservation. In order to achieve the goal of sustainable development, many cities in the world today have adopted Recycle Economy as an important economic strategy. Recycle Economy advocates Reduction of resource consumption in production, Reuse of products, and Recycling of wastes (3Rs), aiming to achieve in the end a harmony between economic development and environmental well-being.

In a word, economy in the future city will be more vigorous, and such vigor will come mainly from two sources: innovation and creativity of urban dwellers, and harmonious coexistence with nature.

#### c. Innovation of science and technology in the city

A huge platform for technological advancement, the city brings together various elements of innovation. The intensive communication among creative minds within the city produces sparks of innovation, and the research and production facilities in the city have at the same time helped to turn these sparks into technologies, and further into products and services that benefit humankind.

Ever since the 20<sup>th</sup> century, rapid technological development has, on the other hand, made extensive urbanization possible. Meanwhile, the enrichment and improvement of material life are most clear and obvious in the city. While the dream of flight has been a factual reality for just a hundred years, the flight vehicle invented by humankind has landed on Mars. People have benefited greatly from science and

technology in their day-to-day life, in their ways of communication, in healthcare and in wealth accumulation. In the meantime, the revolution of material life has left clear watermark on people's cultural life and spiritual pursuit.

Today, when people observe the space through Hubble Space Telescope or reform life through genetic engineering, they are more clearly aware than ever of their own limitations. Science and technology are not omnipotent after all, and will not serve as a tool or weapon for humankind to conquer nature; instead, they should serve as a catalyst for symbiosis between human beings and nature.

In the future city, science and technology will play a more constructive role in the conservation of nonrenewable resources, in the efficient use of energies, in the protection of bio-diversity, and in the building of a sustainable habitat models. In a word, science and technology will take mankind back to the embrace of Mother Nature.

#### d. Remodeling of communities in the city

Communities are cells of the city, and the most common form of space for life. Only healthy "cells" can make a healthy and harmonious city. The goals of cultural blending and economic prosperity are all attained in communities as most basic living quarters.

Construction and remodeling of communities in the city have always been the most urgent tasks of city administrators. It is the most lasting puzzle in the history of urban development as to how poverty-ridden areas can be eliminated from the social map of the city. Today, the structural change of urban population in developed countries and the rapid increase of urban population in developing countries have made the puzzle even more disturbing. In the *Millennium Declaration*, the United Nations proposes the goal of Cities without Slums, aiming to achieve a significant improvement in the lives of at least 100 million slum dwellers by 2020.

Directed by the goal of sustainable development, community remodeling in the city of the 21<sup>st</sup> century will entail the creation of balanced communities, and the reduction or even elimination of gray or dark corners in the city. A balanced community shall, by our definition, feature a reasonable structure of residents, reasonable housing ownership structure, sound infrastructure, congenial environment and suffi-

cient employment and business opportunities.

Communities in the future city will be featured by strong social cohesion, and a harmonious interaction with the city and other cells of the city. Man will always be at the center of the creation of better life in better communities.

#### e. Rural-urban Interaction

Ever since the city was born, urban and rural areas have been mutually interdependent in terms of economy, social activities and environment. Country people have made their living by selling their farm produce to the city, while the prosperity of the city has depended on the resources and demand from its hinterland.

The expansion of the city has placed a considerable burden on the rural area, consuming or even depleting land and other resources in the countryside. New thinking in urban planning and new architectural and energy technologies will help to relieve the burden to the greatest extent. At the same time, the massive influx of immigration from the rural area will also pose a tough threat to city administrators. For one thing, the construction and renovation of communities in the city will create a better living environment for the urbanized population, and for another, the construction of small cities and towns will help to ease off the pressure of population growth and unemployment on big cities. Under the influence of globalization, agriculture in some countries has lost its competitive advantage. Sufficient interactions between the city and the countryside have become a necessity to help farmers diversify livelihood, or to remodel the production structure so as to regain competitiveness. A proper management of the flows of people, capital, commodities and information between urban and rural areas is the key to a harmonious and synchronized development of both the city and the countryside.

At the moment, about a half of the global population is rural, and in Asia and Africa in particular, a large population is still living in the rural areas. In light of the huge divide between the city and the countryside in developing countries, international organizations are urging people to harness the linkages between urban and rural areas to reduce urban poverty and to improve rural living conditions.

With the urbanization, the boundary between the city and the countryside has kept fading away, and the rural-urban relationship is getting closer. In some sense,

harmony in the future city will depend to a great extent on an equally habitable and harmonious hinterland in the countryside.

## **Article 5 Support by the Organizer**

The Organizer shall offer the following support with regard to the theme development to those foreign governments and international organizations which accept the official invitation of the Government of the People's Republic of China to participate in the Exposition (hereinafter referred to as the “official participants”), from the time of their acceptance of the official invitations until the approvals of their *Theme Statements* as described in Article 6 below.

1. Documentation containing guidelines and examples for treating the theme in different aspects.

2. An advisory service shall be available to official participants at the different key stages in the development of their presentations. The details of this service shall be communicated to all official participants.

## **Article 6 Coordination Mechanisms for Compliance with the Theme**

1. The participants must submit to the Organizer a *Theme Statement* which defines the overall theme and the general contents of their presentation, both of which must follow the theme of the Exposition as described in Articles 3 and 4 of this regulation, as an integral part of the application for the allocation of exhibition space in accordance with *Special Regulation N°.2 concerning the conditions of participation in the Exposition*. The *Theme Statement* shall include reference materials on the theme and sub-themes as they shall be developed in specific presentations.

Notwithstanding the provisions of *Special Regulation N°.2 concerning the conditions of participation in the Exposition*, the allocation of all sites for exhibition shall not be considered final until the *Theme Statement* is approved by the Organizer.

In order to accomplish the purpose of the Exposition, as described in Article 1 of the *General Regulations*, the Organizer shall make the advisory service mentioned



in Article 5 (2) of this regulation available to the participants.

The Organizer shall forward to the BIE copies of the *Theme Statements* when they are received from the participants through the Commissioner General of the Exposition.

2. As an integral part of the *Application for Preliminary Approval* detailed in *Special Regulation N°.4 concerning construction, installation, workplace safety, fire prevention and environmental protection*, the participants shall submit a document entitled *Exhibition Project* which shall include a detailed description of their presentation. The *Exhibition Project* document provides a detailed plan of the presentation following the general outline submitted in the *Theme Statement*. The Organizer shall verify that the contents of the presentation are in accordance with the approved *Theme Statement* and that the *Exhibition Project* meets the thematic criteria described in Articles 3 and 4 of this regulation.

Notwithstanding the provisions of *Special Regulation N°.4 concerning construction, installation, workplace safety, fire prevention and environmental protection*, preliminary approval of a project for construction or installation works cannot be granted without approval of the *Exhibition Project* documentation by the Organizer.

In case the *Exhibition Proposal* document is not approved by the Organizer, the Organizer shall provide official participants with a detailed explanation of the reasons and make suggestions to remedy the situation. The Organizer shall revert its disapproval decision to the participants within a reasonable period of time so that the participants may have enough time to reconsider their project. The Organizer shall also continue to provide on-going assistance to the participants through the advisory service as defined by Article 5 (2) above.

The participants shall modify the content of the presentation in order to comply with the theme observance criteria. In case of disagreement over the level of compliance of a presentation with the theme, both the Organizer and the participants shall make every effort to reach a consensus, and if necessary, seek the assistance from the BIE.

3. Notwithstanding Article 10 of the *General Regulations*, if a consensus on the matter of the theme, as described in paragraphs 1 and 2 of this article, cannot be

reached between the Organizer and the participants, the matter shall be referred to the discretion of the Commissioner General of the Exposition for resolution after consultation with the BIE.

4. The Participants shall make available to the Organizer final information on the content of their presentation at least 120 days before the opening of the Exposition. This information shall be used for the *Official Exposition Catalogue* in compliance with Article 29 of the *General Regulations*. The content of said information shall be in accordance with the documentation, submitted pursuant to paragraphs 2 and 3 of this article, concerning the conformity of the presentations to the theme.

The *Official Exposition Catalogue* shall be available in print and electronic form.

## **Article 7 Measures Taken by the Organizer**

1. The Organizer and the Government of People's Republic of China are planning to present Theme Pavilions. The presentations to be shown in these pavilions shall be structured around the theme and sub-themes of the Exposition as described in Articles 3 and 4 of this regulation. Details regarding the planning and organization of the Theme Pavilions shall be distributed to official participants separately in a reasonable period of time.

2. The Organizer plans to host conferences, seminars and symposia related to the theme of the Exposition and shall keep official participants informed of all such events. Furthermore, official participants are invited to take up the theme of the Exposition in similar events of their own.

3. Official participants should submit the final programs of their events to the Organizer at least six months before the event. The Organizer may coordinate programs and provide official participants with logistics assistance, if necessary.

# **World Exposition Shanghai China 2010**

## **Special Regulation N°. 4**

**Concerning Construction, Installation, Workplace Safety,  
Fire Prevention and Environmental Protection**

(The Regulation was approved by the 141<sup>st</sup> BIE General Assembly on 18<sup>th</sup> June, 2007)

**Bureau of Shanghai World Expo Coordination**

## CHAPTER I: GENERAL PROVISIONS

### Article 1 Purpose and Scope of Application

1. Pursuant to Articles 14, 15, 16, 17, 18 and 34 of the *General Regulations* of the World Exposition Shanghai China 2010 (hereinafter referred to as “Expo 2010”), this *Special Regulation* specifies the requirements that shall be observed by official participants in planning, construction and demolition of buildings and structures, installation, decoration and auxiliary construction (hereinafter referred to as “the construction”) carried out within the Expo Site.

2. This *Special Regulation* applies to the construction carried out on plots and in pavilions or covered exhibition spaces provided by the Organizer. The present *Special Regulation* also contains rules on fire prevention, workplace safety, and protection of the environment in the course of construction.

### Article 2 Definitions

1. **Plot** refers to a piece of land assigned by the Organizer to an official participant for design and construction of the pavilion.

2. **Qualifications** refer to official documents issued or recognized by the competent Chinese government departments pursuant to the laws and regulations, which certify the capability to undertake a task, such as surveying, design, construction, supervision, supply, agent service for bidding, etc.

3. **Type 1 Pavilion** refers to a pavilion designed and built by an official participant on the plot allocated by the Organizer.

4. **Type 2 Pavilion** refers to a stand-alone pavilion built by the Organizer and rented to an official participant.

5. **Type 3 Pavilion** refers to the covered exhibition space in a joint pavilion constructed by the Organizer and allocated to developing countries free of charge.

6. **Day** refers to calendar day.

## **Article 3 Compliance with the Laws and Regulations**

1. All official participants shall comply with the relevant laws, regulations, rules, and technical standards of China, the *General Regulations* and the *Special Regulations* of Expo 2010, and the additional instructions and directives issued by the Organizer (hereinafter referred to as “the Laws and Regulations”).

2. Additional instructions and directives are issued by the Organizer to provide more information on related subjects and further specify the rights and obligations of official participants and the Organizer.

3. In accordance with the theme of Expo 2010 “Better City, Better Life” and *Special Regulation N<sup>o</sup>. 1*, the Organizer may give technical advice to official participant on how to be resource-efficient and how to use environment-friendly materials at a reasonable cost. In giving such advice, the Organizer assumes no obligation to official participants.

## **Article 4 Obligations of Official Participants**

1. Official participants shall obtain all necessary permits and licenses required by the Laws and Regulations in order to execute the construction.

2. The Organizer may enter construction sites occupied by official participants to inspect the construction underway. Official participants shall cooperate fully with the Organizer. In such cases, the Organizer’s representative or each inspector shall carry relevant credentials and present them upon request by the participant or other party concerned.

3. Official participants shall bear all expenses for their construction activities on their plots or in their pavilions, including but not limited to the following:

- (1) specific geological survey of plot;

- (2) auxiliary facilities to connect boundary of plot to pavilion;
- (3) construction, installation, modification and decoration of buildings and structures;
- (4) gardening;
- (5) landscaping;
- (6) construction of open space;
- (7) assessment of the influence of the pavilion construction to the surrounding environment;
- (8) public utility services such as water supply, sewage, electricity, gas, air conditioning, telecommunications, etc. for the duration of construction, exhibition and use of pavilion;
- (9) installation of exhibits;
- (10) fire prevention, labor safety and health, sanitation and safety facilities;
- (11) maintenance and cleaning;
- (12) transportation and storage;
- (13) post-Expo dismantlement, removal of exhibits, cleaning and restoration;
- (14) obtaining permits and licenses;
- (15) design and management services;
- (16) professional consultation;
- (17) other expenses that shall be borne by official participants.

4. If the Organizer undertakes the tasks on behalf of official participants, official participants shall bear all the relevant expenses incurred, provided the Organizer provides prior notification to the official participants concerned.

5. If an official participant fails to perform its obligations, the Organizer has the authority to perform these obligations at the expenses of the participant concerned.

## Article 5 Rights of the Organizer

The Organizer has the authority to require official participants to take the following actions in case they violate the Laws and Regulations, or under urgent circumstances, including force majeure:

- (1) fixing problems within the specified period of time;
- (2) suspension of construction;
- (3) total or partial dismantlement of buildings and structures;
- (4) cessation of occupancy of the plot;
- (5) elimination of hazards.

The official participants concerned shall bear all the expenses and liabilities incurred for the above-mentioned actions.

## CHAPTER II: PLOTS, PAVILIONS AND COVERED EXHIBITION SPACES

### Article 6 Documents Provided by the Organizer

The Organizer shall allocate plots, pavilions or covered exhibition spaces to official participants pursuant to *Special Regulation N°. 2* and *Participation Contract*, and provide the following requisite technical documents:

#### 1. For Type 1 Pavilions

- (1) data of preliminary geographic survey of the site;
- (2) relief map with marked boundary lines of the plot;
- (3) map showing roads, parking lots, green areas, existing buildings and structures and infrastructures related to the plot;
- (4) design parameters;
- (5) location and altitude of water source and diameter of water pipeline; location of water outlet, altitude and diameter of lower end of drain; location and flux of power supply; connection points and diameter of gas pipeline; connection points of

telecommunications and television cables, etc.;

(6) regulations on construction and access of personnel and goods to allocated plot;

(7) guidelines on safety, sanitation and fire prevention for the buildings and structures.

## 2. For Type 2 and Type 3 Pavilions

(1) drawings and specifications of architectural, structural, mechanical and electrical systems;

(2) data of public utilities systems such as water supply, sewage, electricity, air conditioning, telecommunications and television;

(3) buildings and structures specifications;

(4) guidelines concerning safety, sanitation and fire prevention during the construction;

(5) requirements for maintenance and cleaning;

(6) regulations on construction and access of personnel and goods to allocated plot, pavilion or space.

## **Article 7 On-site Inspection**

With prior approval of the Organizer, official participants may, at their own cost, inspect the allocated plots, pavilions or covered exhibition spaces.

## **Article 8 Design Parameters**

1. The design of Type 1 Pavilions shall comply with the Laws and Regulations and regulatory planning and design requirements of Expo 2010.

2. Materials and equipment used for construction shall comply with the Laws and Regulations.

3. In general, no modification shall be made by official participants to the structure of and existing facilities (including fixtures) in Type 2 and Type 3 Pavilions.



Should modification be deemed necessary, official participants shall submit a written application to the Organizer for approval no later than 30 days prior to the beginning of exhibition arrangement.

## **Article 9 Restoration**

1. Official participants are required to carry out restoration promptly after the Exposition. Restoration refers to dismantlement of all the buildings and structures, equipment and facilities (including foundation plies, foundations and underground conduits) built or installed by official participants, removal of exhibits, and cleaning up to restore allocated plots to their original conditions.

2. Type 1, 2 and 3 Pavilions shall be restored to their original conditions no later than 1<sup>st</sup> May 2011, 31<sup>st</sup> December 2010 and 30<sup>th</sup> November 2010 respectively. Official participants shall promptly return the vacated and restored plots, pavilions or exhibition spaces to the Organizer.

3. Prior to execution of restoration, official participants shall submit for approval their plans on dismantlement. Official participants shall inform the Organizer in writing upon completion of the restoration. A written acceptance will be issued by the Organizer to official participants if the restoration passes inspection.

4. If an official participant fails to finish restoration work before the date specified in Paragraph 2, the Organizer may finish the remaining work for the official participant at the expense of the latter.

## **CHAPTER III: TECHNICAL SUPERVISOR**

### **Article 10 Duties of Technical Supervisor**

1. Each official participant shall appoint a qualified technical supervisor with project management skills during construction and inform the Organizer of his/her name, work experience and contact information.

2. Technical supervisor shall be responsible for supervision over quality, safety,

function, schedule and funding associated with design and construction of buildings and structures, compliance with the Laws and Regulations in construction activities and technical coordination with the Organizer and other official participants.

3. Official participants shall, in case of dismissal or resignation of technical supervisor, appoint in time another technical supervisor with project management skills.

4. Official participants shall ensure that their technical supervisors comply with the Laws and Regulations and shall be held responsible for any losses and liabilities resulting from violation of the Laws and Regulations by their technical supervisors in their work.

5. The Organizer has the authority, in case a technical supervisor violates the Laws and Regulations, to demand his/her dismissal. The official participant concerned shall do as required unconditionally.

## **CHAPTER IV: APPLICATIONS AND APPROVALS**

### **Article 11 Duties of the Technical Office**

1. The Organizer shall establish a Technical Office composed of engineers and specialists to provide official participants with necessary assistance.

2. Official participants shall submit all the requisite documents of application for approval to the Technical Office.

3. The Technical Office shall, on behalf of the Organizer, conduct a preliminary review of applications submitted by official participants and help them obtain approval from the relevant Chinese authorities.

4. Pursuant to the Laws and Regulations, official participants shall prepare the following documents in order to apply for permits or licenses from or to be kept on record by the relevant Chinese authorities:

- (1) *Schematic Design Documents* and the *Construction Documents* of pavilion;
- (2) design documents on fire-protection, transportation, sanitation and environ-

mental protection;

(3) results of survey, design, construction, supervision, purchase and bidding, and contracts of general and sub-contractors;

(4) documents for obtaining planning permits;

(5) application documents for construction safety and quality superintendence;

(6) documents for obtaining construction permits;

(7) business licenses of the constructors and installation contractors;

(8) other documents that need to be approved by the relevant Chinese authorities.

5. Official participants may employ professional organizations recommended by the Organizer, or any other professional organizations as their agents to obtain the approvals or complete the record-filing process as mentioned above.

## **Article 12 Preliminary Review of Schematic Design Documents**

1. After signing the *Participation Contract*, official participants shall submit to the Technical Office, within specified period of time, *Schematic Design*, *Exhibition Proposal*, etc. for Type 1 Pavilions, or *Change/Alteration Plan*, *Exhibition Proposal*, etc. for Type 2 and Type 3 Pavilions.

2. The documents submitted by official participants shall comply with the Laws and Regulations, and include: architectural, structural, mechanical and electrical, interior design drawings and specifications; design documents for fire prevention, security, hygiene and environmental protection; design index; lists of major building materials and equipment; construction management plan; exhibits layout plan; occupation period; operation plan; maintenance plan; dismantlement/removal plan, etc.

3. The Technical Office shall conduct a preliminary review of the technical documents including *Schematic Design*, *Change/Alteration Plan* and *Exhibition Proposal* and make recommendations to official participants within 30 days after receipt of all the necessary documents.

## **Article 13 Construction Approval**

1. Official participants shall make necessary revisions to their documents based on recommendations made by the Technical Office. The Technical Office shall submit the revised documents that meet the requirement to the competent Chinese authorities for approval.

2. Should official participants wish to make revisions to approved documents, they shall go through the same procedure specified in the preceding paragraph to get approval for the revision.

## **CHAPTER V: CONSTRUCTION AND SUPERVISION**

### **Article 14 Construction Contractor**

1. Official participants shall employ construction contractors with statutory qualifications whose business activities are in compliance with the Laws and Regulations. Overseas contractors shall obtain business licenses after going through examination procedures.

2. The Organizer recommend qualified construction contractors, supervisors and other service organizations to official participants as well as provide them with information on the business performance of the said entities.

3. Official participants shall ensure that their contractors enter the construction sites and carry out construction as scheduled according to the prescribed quality and quantity standards, and accept supervision, inspection and directives of the Organizer.

4. Official participants shall oversee the work of their contractors and ensure that their contractors and workers comply with the Laws and Regulations.

### **Article 15 On-site Manager**

1. Each official participant shall appoint an on-site manager as its representative in full charge of the construction site.

2. The on-site manager shall be responsible for liaison and coordination with

other official participants, the Organizer and other relevant parties.

3. The Organizer may, in case of the on-site manager violating the Laws and Regulations, direct the official participant concerned to dismiss the said manager. The official participant shall abide by the directives given in such case.

4. Official participants shall ensure that their on-site managers comply with the Laws and Regulations.

## **Article 16 Preparation for Construction**

1. Official participants shall execute all work in accordance with the design drawings and documents.

2. Official participants shall ensure that their contractors prepare construction documents for panel review, work out a *Construction Management Plan* to be submitted to the Organizer for approval, and inform the workers of construction technologies, project schedule, quality and safety requirements.

3. Official participants shall ensure that their contractors complete preparation based on *Construction Work-site Layout* in the *Construction Management Plan*. Preparation shall include the following: clearing, leveling and fencing the site, access to roads, water supply and electricity; setting up of temporary construction facilities, provision of proper fire prevention apparatuses, installation of construction apparatuses, getting first batch of building materials ready on site, setting up of safety and traffic signs, etc.

4. Official participants shall obtain prior approval from the Organizer, if they need to use space outside the boundary of their assigned plots temporarily for construction work.

5. Official participants shall complete such preparation at least 15 days prior to the beginning of the pavilion construction.

6. The Organizer has the authority to exercise the right stipulated in Article 5 of this *Special Regulation*, if an official participant does not complete the above-mentioned preparation as required.

## Article 17 Construction Management

1. Official participants shall, within the specified period of time prior to the date of commencement of construction of buildings and structures, provide to the Organizer with information of their contractors, construction contracts, construction management and plan documents, construction commencement reports and measures for schedule, quality and safety assurance, as well as other documents required by the Organizer.

2. Official participants shall ensure that their contractors fully perform their duties in the management of construction schedule, quality, safety, contract and coordination.

3. Official participants shall, in case their construction progress is behind schedule, report in writing to the Organizer the causes and their remedy plans, and submit a revised schedule.

4. Official participants shall ensure that their contractors analyze, summarize and handle problems with regard to construction quality and safety if any, and report in writing to the Organizer the causes and their remedy plans within the specified period of time.

5. The Organizer may issue to official participants directives as necessary to ensure smooth progress in the construction. Official participants shall follow such directives.

6. Should official participants wish to make revision to the approved *Construction Management Plan*, they should submit the revised plan to the Organizer for approval.

7. Prior to making any revision to the approved plans and documents, official participants shall submit *Design Revision Form* to the Organizer and seek the consent of the Organizer and the original design institutes. Should there be any significant change to the original design, the revisions shall also be examined and approved by the review institutes that have examined the plans.

## Article 18 Construction Site Inspection

1. The Organizer may enter the construction sites to inspect construction in progress. In such cases, the Organizer's representative or each inspector shall carry relevant credentials and present them upon request by the participant or other party concerned.

2. Official participants shall be subject to inspection or test by the Organizer with regard to the construction quality and safety. If the construction work is found not to meet the approved construction schedule, the official participant concerned shall report in writing to the Organizer the causes and the remedy plans, submit a revised schedule, and follow the Organizer's directives to redress deficiencies.

3. The Organizer may, if the official participant concerned fails to follow its directives, take necessary measures pursuant to Article 5 of this *Special Regulation*, and has the authority to entrust the remedy task to other parties at the expense of the official participant.

## Article 19 Construction Site Maintenance

1. Official participants shall ensure that their contractors take effective measures to keep the construction sites clean and in good order.

2. Official participants shall, for the sake of traffic safety, ensure that their contractors provide access, as required by the relevant regulations, for pedestrians, construction vehicles and fire engines to enter or exit the construction sites, and set up signboards indicating traffic routes and driving safety requirement for vehicles.

## Article 20 Insurance

1. Official participants shall be insured pursuant to *Special Regulation N° 8*.

2. When applying for construction permit, official participants shall submit documents certifying that they are already insured.

## **CHAPTER VI: SAFETY OF BUILDINGS AND STRUCTURES**

### **Article 21 Safety Liabilities**

1. During the construction, official participants shall take into full consideration the safety of buildings and structures and take effective measures to remove all hazards.
2. Official participants shall strictly follow the Laws and Regulations on safety and shall bear all liabilities and losses arising from accidents as a result of breaching the Laws and Regulations concerned.
3. The Organizer has the authority to direct official participants to remove hazards in the construction within the specified period of time.

### **Article 22 Emergency Aid**

1. Each official participant shall draw up an *Emergency Aid Plan*, send a copy of the plan to the Organizer for the record and request all its staff members to perform their duties.
2. Official participants shall, in accordance with the regulations, keep first-aid kits with necessary medication and supplies and regularly check up the first-aid kits.
3. Official participants shall, in the event of an accident, promptly offer first-aid and report to the Organizer.

### **Article 23 Structural Design**

1. Official participants shall hire design institutions with statutory qualifications to carry out all related architectural, structural, mechanical and electrical design.
2. On the condition that safety and reliability are guaranteed, the Organizer encourages official participants to introduce innovative structural systems and building materials, which shall be reviewed and approved by a panel of experts designated by the Organizer.



## **Article 24 Building Materials and Equipment**

1. Official participants shall use building materials and equipment for their buildings and structures in compliance with the Laws and Regulations.

2. The Organizer encourages official participants to introduce environment-friendly and energy-saving building materials and equipment with quality certificates from suppliers with statutory professional qualifications.

3. Official participants shall seek approval from the competent departments of the Chinese Government for the first-time use of building materials and equipment in China. The Organizer shall provide assistance to official participants in obtaining such approval.

4. If an official participant breaches the Laws and Regulations by using substandard products in its buildings or structures, the Organizer has the authority to direct the official participant concerned to remove such products from the site.

## **CHAPTER VII: EVACUATION ROUTE AND ENTRANCE AND EXIT**

### **Article 25 Evacuation Routes, Entrances/Exits, Signage and Lighting**

1. Official participants shall, pursuant to the Laws and Regulations, have evacuation routes and entrances/exits in their pavilions. The doors of safety entrances/exits shall open outwards and be kept unblocked to ensure rapid evacuation of people in case of an emergency.

2. Official participants shall, pursuant to relevant regulations, ensure that easily-identifiable and continuously visible evacuation signs, audio signal devices and other equipment are installed in their pavilions along the evacuation routes leading to safety entrances/exits. Emergency lights should be installed, whose luminance and placement shall meet the requirements for safe evacuation of people in the event of fire hazard.

3. Noncombustible materials should be used for floors, interior walls/partitions

and ceilings along evacuation routes and at entrances/exits of pavilions.

4. Fire prevention lighting and signal-indicator lighting in the pavilions should have standby power sources so that they will provide lighting in case of an emergency.

## **Article 26 Barrier-free Facilities**

Official participants shall install barrier-free facilities in their pavilions pursuant to the Laws and Regulations.

## **Article 27 Placement of Exhibits and Equipment**

Official participants shall not place any exhibit or equipment on the evacuation routes and at the entrances/exits of their pavilions and shall promptly remove scattered items in their pavilions.

# **CHAPTER VIII: FIRE PREVENTION MEASURES**

## **Article 28 Installation and Use of Fire Prevention Equipment and Apparatuses**

1. Official participants shall, pursuant to the Laws and Regulations, have equipment, devices and systems in place to prevent and extinguish fire. Such equipment shall be specified in their construction plans. Their systems shall be linked to the Organizer's central alarm system. Official participants shall ensure that fire extinguishing apparatuses are available in areas of potential fire hazards.

2. The design and installation of fire prevention facilities in the pavilions and the quality control of the fire prevention products shall comply with the Laws and Regulations.

3. Official participants shall ensure that all their staff have received fire safety training, are familiar with the *Fire Emergency Plan* and can use fire extinguishing apparatuses.

4. Fire extinguishing apparatuses in the pavilions (including fire hydrant) shall

not be used for any purpose other than extinguishing fire.

## **Article 29 Maintenance of Fire Prevention Equipment and Apparatuses**

1. Official participants shall ensure the regular maintenance and effective control of the fire prevention and fire extinguishing equipment. They shall keep the record of the completed maintenance and control inspections.

2. Official participants shall not change the placement of the fire prevention apparatuses without authorization.

## **Article 30 Other Fire Prevention Measures**

1. Official participants shall adopt proper fire prevention measures on the construction sites to guarantee construction safety.

2. Decoration materials used shall meet fire prevention requirements and shall have certificates on their fire-retarding performance.

3. The use of naked flame is strictly prohibited without the Organizer's approval.

4. Inflammable and explosive materials and items shall be stored in special warehouses set up by official participants under the management of designated staff. Such warehouse shall have clearly marked fire prevention signs.

5. The Organizer reserves the right to test the fire-retarding performance of materials marked as fireproof used in the buildings and structures.

6. Smoking shall be strictly prohibited in pavilions. Electric rice cookers, induction cookers and other electric appliances shall only be used with prior approval of the Organizer.

7. Official participants shall comply with relevant regulations in hanging items made of combustible materials and keep the required safety distance between the hanging items and heat sources such as lights and electric arcs.

8. Each official participant shall prepare a contingency plan and submit it to the Organizer no later than filing the application for opening its pavilion.

## **CHAPTER IX: ENVIRONMENTAL PROTECTION**

### **Article 31 Liabilities for Environmental Protection**

1. Official participants shall ensure that their sites, pavilions and exhibition space consistently comply with environmental protection, health, radiation protection and security requirements as well as limits stipulated by the Laws and Regulations. Official participants shall, in particular, avoid causing water and air pollution, soil contamination, generation of harmful noise and vibration, and the production of hazardous waste. They shall properly manage, store and dispose of hazardous waste.

2. Official participants shall bear all liabilities for disturbing residents or damaging the environment as a result of breaching the Laws and Regulations in their construction.

### **Article 32 Oversight of the Organizer**

1. The Organizer has the authority to order official participants to stop actions that damage the environment at the expense of official participants. Should official participants fail to obey the order, the Organizer has the authority to stop the activities causing pollution and restore the polluted area to what it was at the expense of official participants.

2. Officials from the competent departments of the Chinese Government will be sent to the Expo Site to work closely with the Organizer to ensure compliance with the relevant regulations on environmental protection and guarantee full protection of the environment.

### **Article 33 Management of Hazardous Items**

Should official participants need to store hazardous items (including radioactive materials) on the construction sites, they shall, with the approval of the Organizer, set up warehouses for hazardous items in compliance with radiation protection and other requirements. The warehouses shall be clearly marked and shall be under the management of designated staff to prevent hazardous items and radioactive materi-

als from endangering human health and damaging the ecosystem and surrounding facilities.

## **CHAPTER X: PUBLIC UTILITIES**

### **Article 34 Public Utilities**

1. The Organizer shall provide official participants with general access to water supply, drainage, electricity, gas, air conditioning, telecommunications, etc. which are necessary for the construction and exhibition, and issue basic standard of supply and rules of use. The Organizer shall also assist official participants in the process of examination and approval concerning the construction and use of public utilities.

2. Official participants shall provide the Organizer in advance with projections of daily demand of water supply, drainage, electricity, air conditioning, gas, telecommunications, and pay all the utilities bills.

3. Official participants need to seek prior approval of the Organizer for supply in excess of their basic demand and bear the costs.

4. Official participants shall, pursuant to the Organizer's information monitoring system program, install necessary information monitoring devices at public passages and exhibition areas inside their pavilions, and ensure that such devices are linked to the Organizer's central system. The Organizer may install such monitoring devices at the request of official participants at the latter's expense.

## **CHAPTER XI: SAFETY AND SANITATION FACILITIES**

### **Article 35 Construction Safety**

#### **1. On Construction Sites**

(1) All people who enter the construction sites shall wear safety helmets and comply with all safety regulations.

(2) Vehicles on the construction sites shall follow designated traffic routes and

park at designated locations.

(3) Official participants shall ensure that all machinery and tools on the construction sites are in good condition, function well and kept in safety.

(4) Should official participants need to occupy any part of the road or any space belonging to the Organizer to load or unload items on the construction sites, they need to seek prior approval of the Organizer.

## 2. Construction Protection

(1) Official participants shall, pursuant to the Laws and Regulations, set up fall protection facilities, safety net, demarcation or fencing-off of spaces, and warning signs.

(2) Official participants shall ensure that warning signs are placed in areas where cranes are in operation and scaffoldings are being dismantled, and that special staff are dispatched to monitor and oversee such areas.

## 3. Scaffolding

(1) Official participants shall draw up plans regarding installation and dismantlement of scaffolds in compliance with the Laws and Regulations and shall only execute the plans after they are approved by the Organizer.

(2) Official participants shall ensure that scaffolds are installed with quality materials and parts.

(3) Official participants shall report to the Organizer for inspection and approval upon completion of the installation of scaffolds before they are put into use.

(4) Official participants shall ensure that scaffolds are regularly maintained so that they are kept in safe-to-use condition.

(5) The Organizer shall inspect the scaffolds installed by official participants and has the authority to direct official participants to remove safety hazards regarding scaffolds within a specified period of time.

## 4. Safety Barriers

Official participants shall ensure that their construction sites have safety barriers against burglary, collision and fire hazards.

#### 5. Safe Use of Electricity

Official participants shall ensure that they use quality wires and fittings, install lightning protection and earthing facilities on high scaffolds, derricks and cranes and install electrical safety and protection devices on their construction sites to ensure safe use of electricity. All electricians should be qualified.

#### 6. Safety Signs

Official participants shall set up warning signs on their construction sites pursuant to relevant regulations.

#### 7. Suspension of Construction

In the event of natural disaster or dangerous situation, official participants shall immediately stop the construction. The construction shall not be resumed until the disaster is overcome and the danger is removed.

### **Article 36 Accommodation for Construction Workers on Construction Sites**

1. If the construction workers of official participants need to live on the construction sites, official participants shall provide them with accommodation and working facilities including temporary canteens, kitchens, lavatories, locker rooms, bedrooms, workrooms and storage facilities during the construction.

2. Official participants shall take proper steps to keep construction sites as well as temporary working and accommodation facilities in clean and hygienic condition.

### **Article 37 Contingency Plan**

1. Each official participant shall prepare an *Contingency Plan* to control hazards including fire, explosion, leakage of hazardous items, typhoon, outbreak of diseases, fall of large machinery and hanging items, and collapse of buildings and structures in the course of construction, installation and use of the buildings and structures. Official participants shall specify in the plans the competent organization, manpower, terms of reference, resources, hazard controlling measures, procedures for requesting assistance, ways of exchanging information and training in emergency response.

The *Contingency Plans* shall be submitted to the Organizer for the record.

2. Official participants shall display the *Contingency Plans* on the construction sites, implement the plans with adequate manpower, supplies and drills and conduct regular inspections.

3. Official participants shall immediately report to the Organizer of any serious incident or accident that occurs during the construction.

## **CHAPTER XII: HANDOVER OF BUILDINGS AND STRUCTURES**

### **Article 38 Issuance of User's Permit**

1. Each official participants shall, in compliance with the *Completion Standards on Construction and Installation Projects* and the special rules issued by the Organizer, complete the construction of buildings and structures with that meet required standard, and submit in writing to the Organizer a project completion report with information on the final completion of buildings and structures within 30 days upon the end of their construction. The Organizer shall issue a user's permit to the official participant after the project has passed the acceptance test.

2. The Organizer shall review the completed projects and their information within a specified period of time. Should there be any non-compliance with the *Completion Standards on Construction and Installation Projects*, including uncompleted construction work or quality defects, the Organizer has the authority to direct the official participant to fix the problems within a specified period of time.

### **Article 39 Maintenance of Pavilions and Exhibition Space**

1. Official participants shall, in compliance with the Laws and Regulations, keep their pavilions and exhibition space in good condition at their own expense.

2. The Organizer has the authority to enter the pavilions or exhibition space to carry out inspection on maintenance, placement of items, safety facilities and fire



prevention apparatuses, etc. The Organizer may direct when necessary official participants to maintain the pavilions and exhibition space (including safety facilities and fire prevention apparatuses). In such cases, the Organizer's representative or each inspector shall carry relevant credentials and present them upon request by the participant or other party concerned.

3. Should official participants fail to act as directed, the Organizer may handle the case in accordance with Article 5 of present *Special Regulation* and has the authority to commission other parties to fix the problems at the expense of official participants.

# **World Exposition Shanghai China 2010**

## **Special Regulation N°. 5**

**Concerning the Installation and Operation of Machinery  
and Equipment**

(The Regulation was approved by the 141<sup>st</sup> BIE General Assembly on 18<sup>th</sup> June, 2007)

**Bureau of Shanghai World Expo Coordination**

## **Article 1 Purpose**

Pursuant to Articles 16, 28 and 34 of the *General Regulations* of the World Exposition Shanghai China 2010 (hereinafter referred to as “Expo 2010”), this *Special Regulation* specifies the requirements for the installation and operation of machinery, apparatus and equipment in Expo 2010 (hereinafter referred to as “equipment”).

## **Article 2 Compliance with Laws and Regulations**

1. All official participants shall comply with the relevant laws, regulations and rules of China, the *General Regulations* and the *Special Regulations* of Expo 2010, and the additional instructions and directives issued by the Organizer (hereinafter jointly referred to as “Laws and Regulations”).

2. Additional instructions and directives are issued by the Organizer to provide more information on related subjects and further specify the rights and obligations of official participants and the Organizer.

## **Article 3 The Organizer’s Rights of Indemnity**

The Organizer shall assume no responsibility for any damage or loss resulting from the installation and operation of equipment by official participants in violation of the Laws and Regulations.

## **Article 4 Safety of Equipment**

Official participants shall ensure the safety of design, manufacturing and installation of all equipment to be used for Expo 2010 and their safe operation.

## **Article 5 Application for Equipment Operation**

1. Before the operation of equipment, official participants shall submit to the Organizer test run application documents including specifications on type, model, weight and other technical perimeters of the equipment, as well as operation manual and other documents required by the Organizer.

2. The Organizer has the authority to inspect and test the equipment in operation that belongs to official participants when necessary, a right that shall be respected by official participants.

## **Article 6 Operation of Equipment**

Equipment shall be operated by official participants at specified locations and time under clean and environment-friendly conditions.

## **Article 7 Safety Measures**

1. Official participants shall designate technical supervisors to be in charge of the operation safety of equipment, take necessary measures to guarantee the safety of operators and visitors, and prevent the operation of equipment from causing any harm or damage to exhibits, pavilions and the surrounding facilities.

2. Official participants shall, notwithstanding entrusting the installation and operation of equipment to a third party, be responsible for the safety of the equipment and its operation.

3. Official participants shall, in accordance with relevant provisions, ensure sufficient space between the equipment in operation and the passages and exhibits in the pavilions, and set up barriers as needed to guarantee the unimpeded passages and the safety of visitors.

4. Official participants shall take necessary measures to prevent harm to visitors and staff, caused by heat radiation, flashes, sparks, dust, vibrations, noise, offensive odors, electromagnetic waves, high harmonic waves as well as solid and water pollution and soil contamination, etc. resulting from the use of equipment. The Orga-

nizer may give advice on environmental protection to official participants regarding the operation of equipment.

5. Official participants shall ensure that operators of equipment have received required technical training, and appoint, pursuant to the Laws and Regulations, personnel with professional qualification to operate particular types of equipment.

6. Official participants shall, before operation, file for record with the Organizer relevant name lists and contact information of all operators in accordance with the Organizer's regulations.

## **Article 8 Examination of Equipment**

The Organizer may issue necessary directives to official participants regarding equipment examination and other related matters. Official participants shall observe such directives.

## **Article 9 Handling of Inflammable and Explosive Substances**

Official participants shall carry out proper safety measures to prevent any hazard or accident arising from the use or creation of gasoline, alcohol, gas, compressed air and other inflammable and explosive substances during equipment installation and operation.

## **Article 10 Fire Prevention**

An official participant shall designate a superintendent in charge of fire prevention, establish a working mechanism of post responsibility, arrange proper training on fire prevention for its staff, formulate plans on fire control and emergency evacuation, install fire prevention apparatus and other essential anti-explosion equipment in the pavilion pursuant to the Laws and Regulations, and file the aforementioned information for record with the Organizer.

## **Article 11 Directives by the Organizer**

The Organizer may, as it deems necessary or upon detection of any potential accident in equipment or its operation, direct the official participant concerned to suspend or restrict the operation, remove the equipment in question or take proper measures within specified period of time. Expenses arising therefrom shall be borne by the official participant. The participant concerned shall abide by the directives given by the Organizer in such case.

## **Article 12 Emergency Plan**

An official participant shall prepare an emergency plan for equipment operation. In case of any accident or other emergency, the official participant shall carry out such plan and report to the Organizer immediately. In case of a major accident such as fire or explosion, the official participant shall, in addition to implementing the emergency plan, report to the Organizer and relevant authorities promptly and follow the directives given in such situation.