BEST PRACTICES

“Lessons Learned from Around the Globe”

September 19, 2021
Emory R. Rodgers
Leadership in Building Safety Fellowship

Receive up to $20,000 to use toward an eligible executive development program.

Learn more and APPLY
www.iccsafe.org/EmoryRodgersFellowship
AGENDA

2:15 – 3:45pm BEST PRACTICES
  International – Sam Palmer (Saudi Arabia/Barbados)
  National – Jose Roig
  Regional – Mark Matheny

3:45 – 4:00pm BREAK

4:00 – 5:15pm PANEL DISCUSSION
  Lessons Learned From
  The Pandemic/Looking Ahead
What a Year!

The Ongoing COVID Pandemic...
Purpose:

- What are “Best Practices”
- How IAS/MJC/BMC recognizes Best Practices from around the World
- How to Submit “Best Practices”
- Insight into How Some of the Leading Organizations Operate
Those practices, concepts and programs that we have created to help make our organizations better.

- Learn from both our successes and failures.
- Share our best practices; not to reinvent the wheel.
- Build better working relationships; enable our organizations to function more effective and efficient.
RECOGNIZING Best Practices

IAS – Accreditation/Inspection Tours/AC251
MJC – Operational Needs - Sharing of Best Practices
BMC – Request to Members – Questions from Agencies

https://www.iccsafe.org/membership/councils-committees/major-jurisdiction-committee/best-practices/
How To Submit “BEST PRACTICES”

THAT’S ALL THERE IS TO IT!


2. At Guideline for “Best Practices” Submittal, click MS Word Format or PDF Format.

3. Complete the form.

4. Click mjc@iccsafe.org to submit completed form.
IAS–International Best Practices

Sam Palmer, P.E., CBO/CFM
Assistant Director
Clark County Dept Of Bldg & Fire Prev
Las Vegas, NV
Saudi Building Code National Committee Activities

Minister of Commerce
Chairman of the Saudi Standards, Metrology, and Quality Organization Board

National Committee

General Secretariat

1. Legislation
2. Code Update
3. Work Teams
4. Training

Saudi Building Code National Committee Activities
Saudi Building Code National Committee Main Themes

Main Themes

01 Code Update & Development

02 Completion of the Legislative System

03 Content Enrichment & Knowledge Sharing

04 Training & Qualification

01 • Issuance of the Saudi Building Code 2018.
• Inclusion of new building codes.
• Alignment of the code referenced standards with the international standards.

02 • Preparation and revision of the Saudi Building Code implementing regulations.
• Agreements, MOUs, and contracts.
• Development of code inspection checklists and forms.

03 Participation with competent authorities in training and qualifying engineers.

04 • Development of SBCNC online website.
• Preparation of handbooks for engineers and technicians.
• Alignment of provisions and technical guidelines for governmental entities.
• Organizing workshops and conferences.
• International representation of the Kingdom of Saudi Arabia
**SBCNC Online Platform**

### Benefits

1. **01** Free browsing and download of Code provisions.
2. **02** Free browsing of Code requirements for 8 hours daily.
3. **03** Accessing feedback service to receive feedback from experts, specialists, and the public to support code update process.
4. **04** Accessing interactive inquiries service to receive then refer code inquiries to specialists to provide answers.

**Beta Launch of SBCNC New Website**

https://beta.sbc.gov.sa
**Responsibility Assessment Matrix (RAM)**

<table>
<thead>
<tr>
<th>Responsibility</th>
<th>Primary Responsible</th>
<th>Participant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subdivision</td>
<td>P</td>
<td>P</td>
</tr>
<tr>
<td>Organization</td>
<td>P</td>
<td>P</td>
</tr>
<tr>
<td>Ministry</td>
<td>P</td>
<td>P</td>
</tr>
<tr>
<td>SASO</td>
<td>P</td>
<td>P</td>
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<tr>
<td>Accreditation Center</td>
<td>P</td>
<td>P</td>
</tr>
<tr>
<td>SCI</td>
<td>P</td>
<td>P</td>
</tr>
</tbody>
</table>

Primary Responsible Participant *Independent Bodies Take Charge in Code Enforcement within their Scopes*
<table>
<thead>
<tr>
<th>Activities</th>
<th>Responsible Entity</th>
<th>Output</th>
<th>Statutory Requirement</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1 Design</strong></td>
<td>Code-based Engineering Design</td>
<td>Design Verification through examining construction documents and drawings to obtain building permit</td>
<td>Governing Laws for Design Offices</td>
<td>Plan Review Records</td>
</tr>
<tr>
<td><strong>3 Building Permit</strong></td>
<td>Accredited Engineering Offices</td>
<td>Building Permit</td>
<td>Implementation Law/Inspection Checklists</td>
<td>Ministry of Municipal, Rural Affairs, and Housing (MOMRAH) Procedures</td>
</tr>
<tr>
<td><strong>4 Supervision</strong></td>
<td>Balady/ Accredited Engineering Offices</td>
<td>Inspection Reports</td>
<td>Labs Accreditation, Specification Standards, Statutory Requirements for Supervisory Offices</td>
<td>Inspection Bodies Accreditation requirement for code activities/inspection checklists</td>
</tr>
<tr>
<td><strong>5 Project Completion &amp; Occupancy Certificate</strong></td>
<td>Balady according to coordinated procedure with relevant authorities</td>
<td>Occupancy Certificate</td>
<td>Final Inspection</td>
<td>Ministry of Municipal, Rural Affairs, and Housing (MOMRAH) Procedures</td>
</tr>
<tr>
<td><strong>6 Operation &amp; Maintenance</strong></td>
<td>Relevant authorities, maintenance service companies</td>
<td>Occupancy Certificate Renewal according to relevant authorities requirements</td>
<td>Building occupancies inspection forms</td>
<td>Building occupancies inspection forms according to the Saudi Fire Code (SBC 801)</td>
</tr>
</tbody>
</table>
Inspection Scope

1

New Buildings

Ghs64j

Up shp hgenkrg

Rshukwryq

P dhwpqgbgfn

Dohukwryq

Existing Buildings

Utmwukwryq

Ulp ryob

H{shyrg}

Fkdgfh#1Kvh

Rshukwryq
General Inspection

1. Project Start
2. Site Preparation
3. Preliminary Inspection
   - SBC 201 (110.2)
   - Site visit, Plan review, Upload Plan
4. Project Start
5. Pre-concreting of beams
6. Frame Inspection
   - SBC 201 (110.3.2)
7. Frame Inspection Notice
8. Electromechanical, Plumbing, and Gas Inspection Notice
9. Final Inspection Notice
10. Final Report

Repetition varies based on number of floors

- Preliminary Inspection
- Site visit, Plan review, Upload Plan
- Notice
- Pre-concreting of foundations
- Pre-concreting of beams
- Notice
- Frame Inspection: SBC 201 (110.3.2)
- Notice
- Electromechanical, Plumbing, and Gas Inspection Notice
- Final Inspection Notice
- Final Report

Ministry of Municipal, Rural Affairs, and Housing
Saudi Energy Efficiency Center
General Directorate of Civil Defense
The Customer’s Journey to Obtain Code-Based Building Permits

1. Issuing Surveying Report
2. Contracting with an engineering design office
3. Issuing Building Permit
4. Notice to Relevant Authorities
5. Contracting with supervision office and contractor
6. End of Work Report
7. Relevant authorities inspection
8. Start of Supervision / Send Reports
9. Upload Insurance Policy
10. Final Inspection
11. Issuing Occupancy Certificate
12. Notice to Relevant Authorities
13. End of Work Report
14. Relevant authorities inspection
15. Start of Supervision / Send Reports
16. Upload Insurance Policy
17. Final Inspection
18. Issuing Occupancy Certificate
19. Notice to Relevant Authorities
CARICOM Regional Organisation for Standards and Quality (CROSQ)

Mr. Fulgence St. Prix
Technical Officer
CARICOM Regional Organisation for Standards and Quality (CROSQ)
MJC – National Best Practices

Jose Roig, CBO, CCEA
Director, Austin Code Department
& MJC Chair
Austin, TX
BREAK
3:45 – 4:00PM
PANEL DISCUSSION

“Best Practices Learned from the Pandemic/Looking Forward”
PANELISTS:
Saad Shuail – Kingdom of Saudi Arabia
Abdulrahman Alshaikhi - SBCNC
Jose Roig - Austin Code Department
Mark Matheny - City of Ashville
Tim Spears - So. San Joaquin County

HOST:
Sam Palmer-Clark County
What Best Practice Did You Learn from the Pandemic...
PANEL QUESTION?

How Are You/Staff Staying Upbeat in These Challenging Times?
What Do You See As Long-Term Prognosis From Major Wildland Fires/Climate Change for AHJ’s?
Long Term Outcomes From Surfside Condo Collapse?
QUESTIONS FROM THE AUDIENCE?
“FUTURE”
Best Practices
NEOM - $500 Billion-dollar, future technological smart city in Saudi Arabia, powered by renewable energy, over 10,000 sq. miles in size

THE LINE – A zero emissions, smart city with no roads, stretching up to 105 miles
TELOSA

- $400 Billion future city for the American desert
- 150,000 acres of eco-friendly architecture, sustainable energy production and a purportedly drought-resistant water system
- 15-minute city design
THANK YOU TO OUR PRESENTERS!
THANK YOU!

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