



INTERNATIONAL CODE COUNCIL®  
CONFERENCE AND HEARINGS

# **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](http://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**

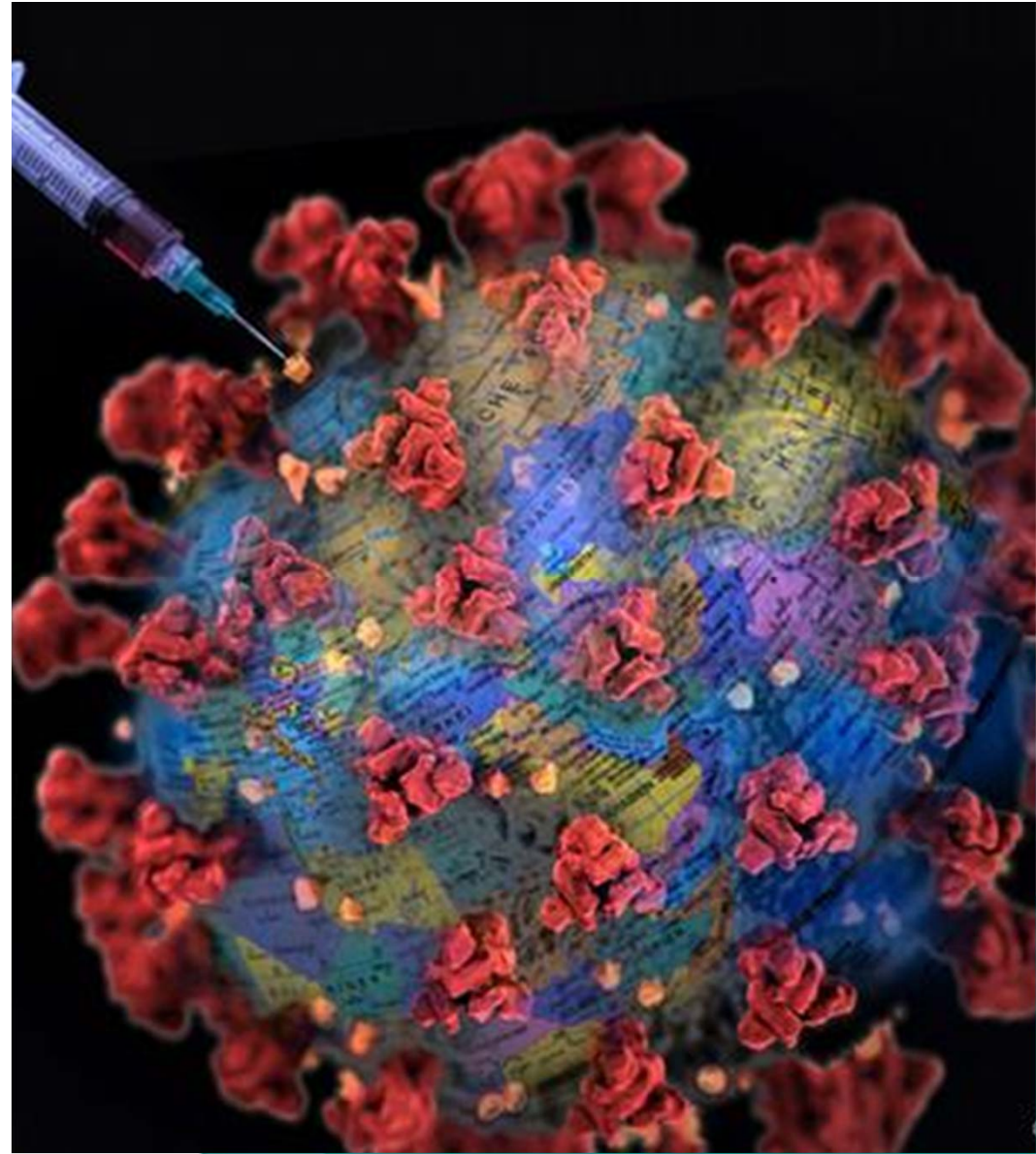
**Lessons Learned From**

**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



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- 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/>



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# How To Submit “BEST PRACTICES”

**THAT’S ALL  
THERE IS TO IT!**

1. Go To:  
<https://www.iccsafe.org/membership/councils-committees/major-jurisdiction-committee/best-practices/>.
2. At Guideline for “Best Practices” Submittal, click MS Word Format or PDF Format.
3. Complete the form.
4. Click [mjc@iccsafe.org](mailto:mjc@iccsafe.org) to submit completed form.







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INTERNATIONAL  
ACCREDITATION  
SERVICE®

# ***IAS – International Best Practices***

Sam Palmer, P.E., CBO/CFM  
Assistant Director  
Clark County Dept Of Bldg & Fire Prev  
Las Vegas, NV



لَا إِلَهَ إِلَّا اللَّهُ مُحَمَّدٌ رَسُولُ اللَّهِ



# Saudi Building Code National Committee

Eng. Saad Shuail

Eng. Abdulrahman Alshaikhi

## SBCNC Board

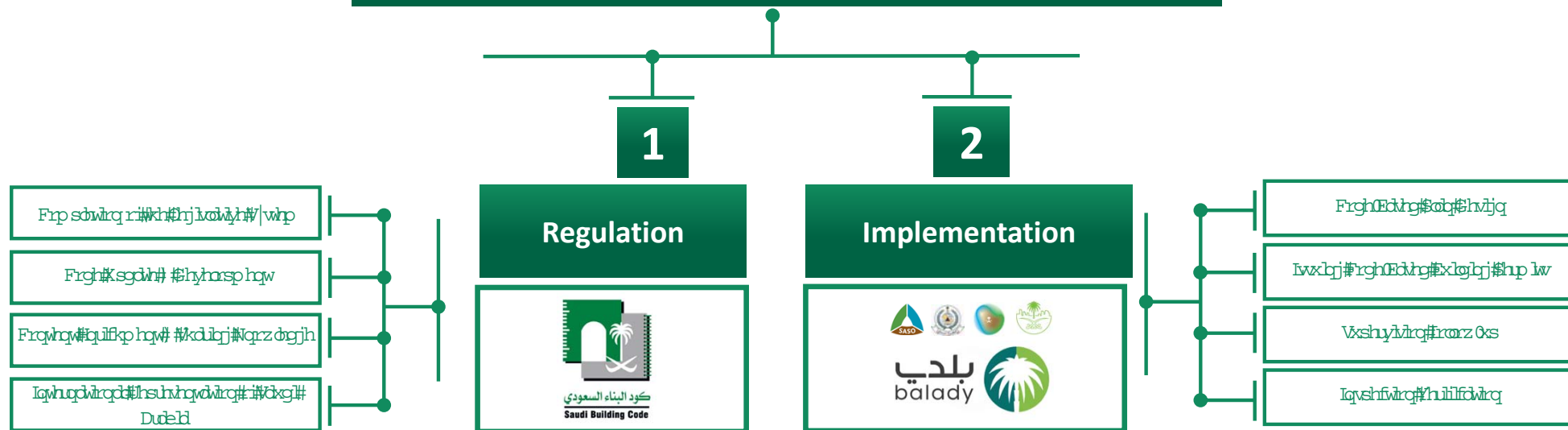


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# Organizational Duties

## The Law of the Saudi Building Code Implementation

Issued by the Royal Decree (M/43) Dated 24/1/2017

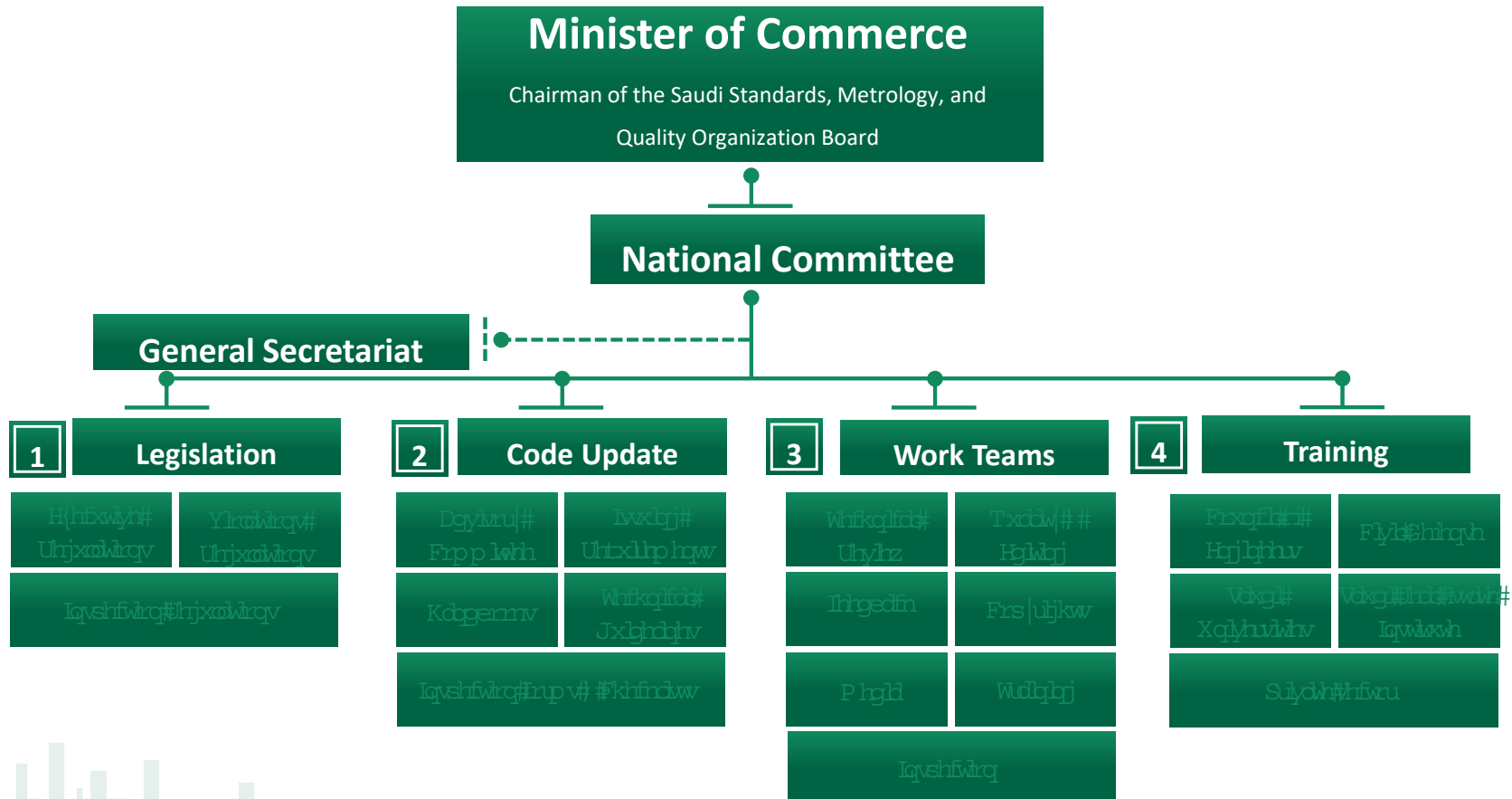


## Code Implementation & Supervision





# Saudi Building Code National Committee Activities



# Saudi Building Code National Committee Main Themes

## Main Themes



**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

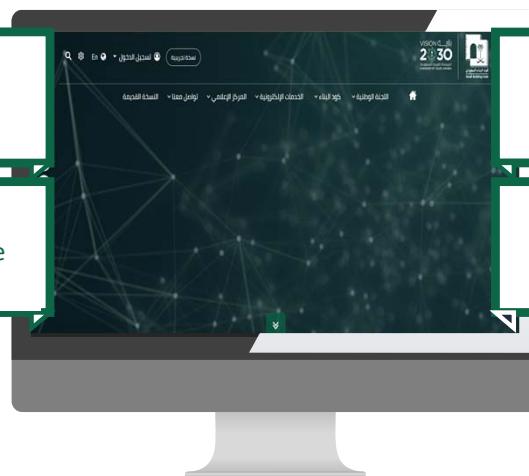
## Benefits

**01** Free browsing and download of Code provisions.

**03** Accessing feedback service to receive feedback from experts, specialists, and the public to support code update process.

**02** Free browsing of Code requirements for 8 hours daily .

**04** Accessing interactive inquiries service to receive then refer code inquiries to specialists to provide answers.



<https://beta.sbc.gov.sa>

**Beta Launch of SBCNC New Website**



## Technical Publications

## Current Publications



Vdxg#Exlojbrj#FrqhUthqhdc#WEF\$34,



Vaxgll#rdg#bj#Frqh#VEF#634,



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V0kg#rbo# #lxogwlrq#rgh#VEF\$36,



VdXg#Frqfuh#Wxfwuh#Frqh#EF#537,



VdkgllP dmrqu|#rgh#EF\$38,



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Vxg#Hfwlfd#rgh#EF#734,



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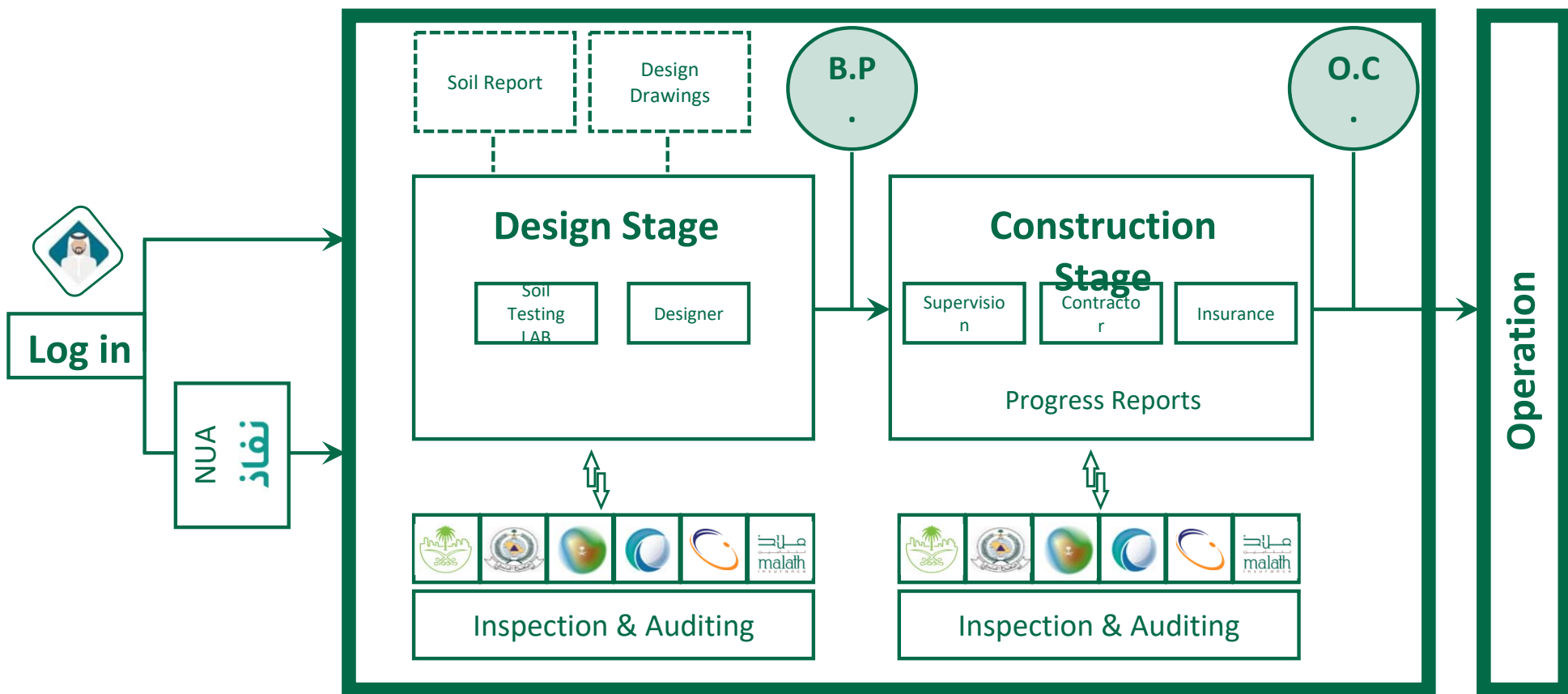
VdXg#1#vghowd#xlobj#Frgh#EF#334#EF#335

# Responsibility Assessment Matrix (RAM)

	وزارة الشؤون البلدية والقروية والإسكان Ministry of Municipalities, Urban Planning and Housing	الهيئة العامة للغذاء والدواء Saudi Food & Drug Administration	وزارة الطاقة Ministry of Energy	SASO	كود البناء السعودي Saudi Building Code	المركز السعودي للاعتماد Saudi Accreditation Center	SCS شركة التقييم والاعتماد Saudi Council for Standards and Accreditation
Suhsduwlrq#i#kh#p sdhp hqwlqj#U hjxawlrq##	P	P	P	P	PR		
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D ssrlqlwlrq#qvshfwlrq#E rglhv#	PR	PR	PR	P		P	
Ip sdhp hqwlqj#rærz 0xs#	PR	PR	PR	P		P	
Sxedk lqj#p sdhp hqwlqj#U hawhg#W hfkqlfda# G rfxp haw#	P		P	P	PR	P	
U hfhlqlqj/#wkg   lqj/#lqg#F awli   lqj#U hp dunn	P	P	P	P	PR		
D ffunglwlrq#i#F rgh#wdqgdug#shflilfdwlrqv	P	P	P	PR			
F dsdflw   #xlgqlqj	P	P			PR		PR







## Code Implementation on All Phases of the Project Lifecycle Starting from Design and Ending with Operation & Maintenance

	1	2	3	4	5	6
	Design	Plan & Technical Documents Review	Building Permit	Supervision	Project Completion & Occupancy Certificate	Operation & Maintenance
Activities	Code-based Engineering Design	Design Verification through examining construction documents and drawings to obtain building permit	Issuing construction permit according to coordinating procedure with relevant authorities	Project Monitoring & Supervision	Confirmation of project completion according to code requirements	Project Sustainability, achieving targeted efficiency, responding to change of use requests
Responsible Entity	Accredited Engineering Offices	Balady/Qualified Third Party (According to relevant authorities requirements)	Balady/ Accredited Engineering Offices	<b>Supervision/ continuous inspection</b> <ul style="list-style-type: none"> <li>Engineering Supervisory Office</li> <li><b>Monitoring/ General Inspection</b></li> <li>Relevant authorities or representatives</li> </ul>	Balady according to coordinated procedure with relevant authorities	Relevant authorities, maintenance service companies
Outputs	Construction Drawings, Documents, and the Stated Supervision Phases in the Code	Official document to verify fulfilling code requirements and relevant authorities regulations	Building Permit	Inspection Reports	Occupancy Certificate	Occupancy Certificate Renewal according to relevant authorities requirements
Statutory Requirement	Governing Laws for Design Offices	Governing Laws for Plan & Documents Review Offices	Implementation Law/ Inspection Checklists	Labs Accreditation, Specification Standards, Statutory Requirements for Supervisory Offices	Final Inspection	Building occupancies inspection forms
Product	Plan Review Records	Plan Review Records	Ministry of Municipal, Rural Affairs, and Housing (MOMRAH) Procedures	Inspection Bodies Accreditation requirement for code activities/ inspection checklists	Ministry of Municipal, Rural Affairs, and Housing (MOMRAH) Procedures	Building occupancies inspection forms according to the Saudi Fire Code (SBC 801)

# Relevant Authorities



- Sheslujj vayh|ljz uhsrwdfingljz wr wksabqng vfkp hultxlp hqwl
- Iswdlj frqwdwlrq/ uqpydlrq/ ghp rdwlrq/ dag dshdwlrq shup lw1
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Ministry of Municipal,  
 Rural Affairs, and Housing

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Ministry of Energy

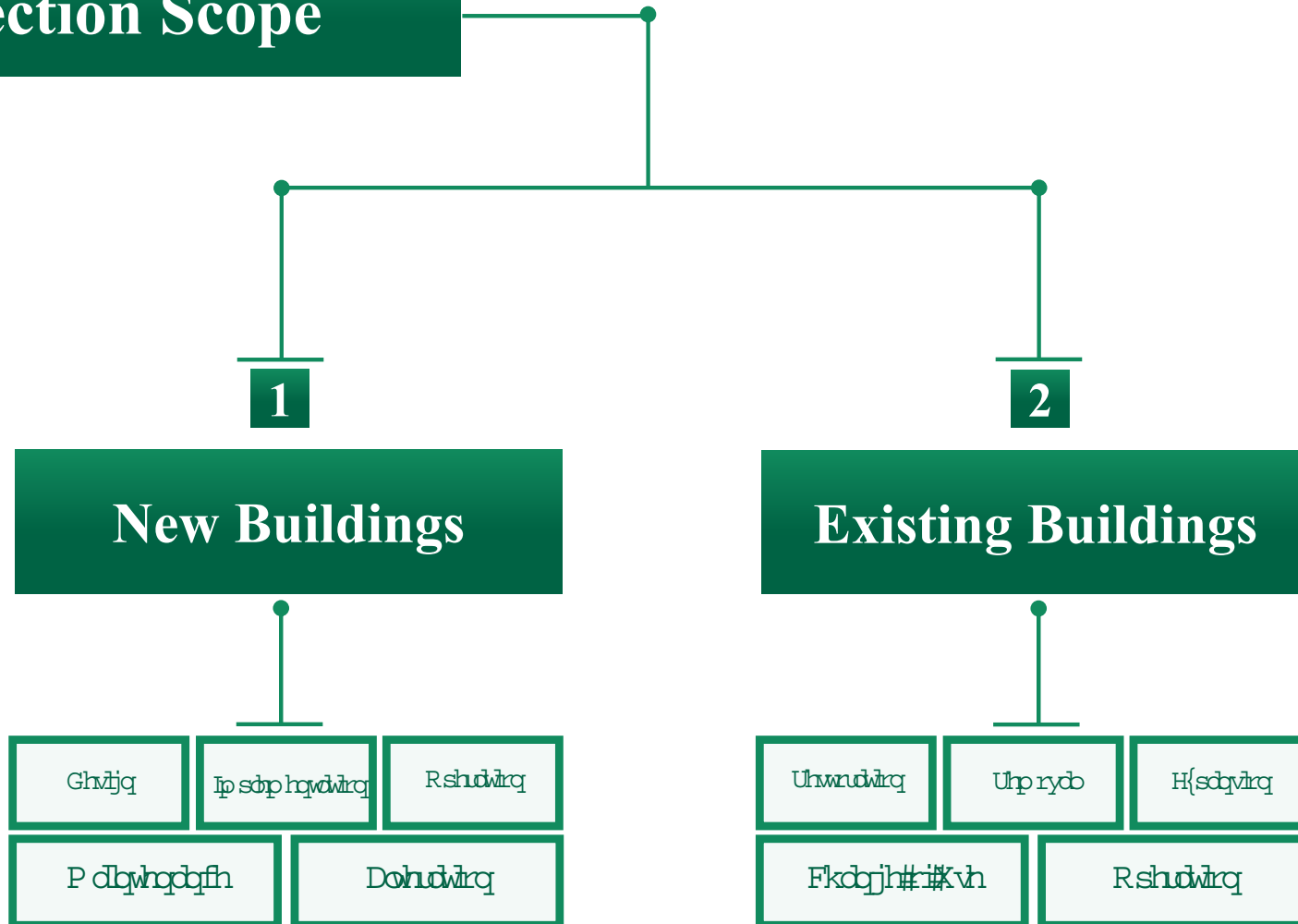
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General Directorate of Civil  
 Defense

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Saudi Standards, Metrology,  
 and Quality Organization

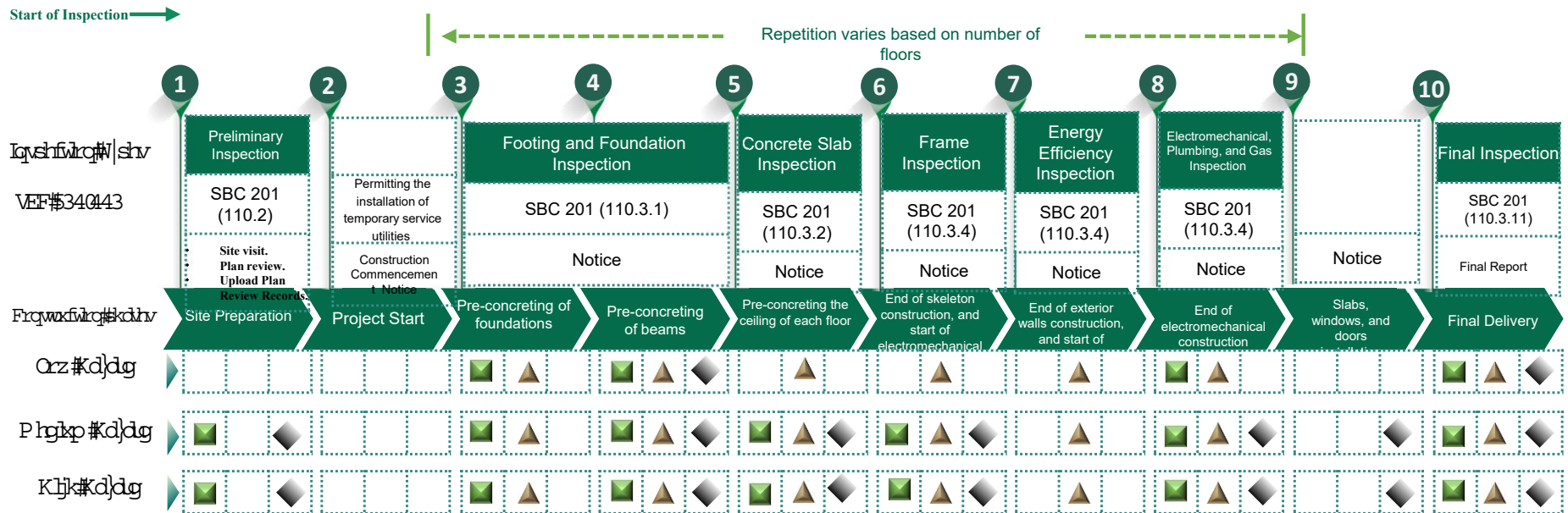
# Inspection Scope





# General Inspection

Start of Inspection



Ministry of Municipal, Rural Affairs, and Housing

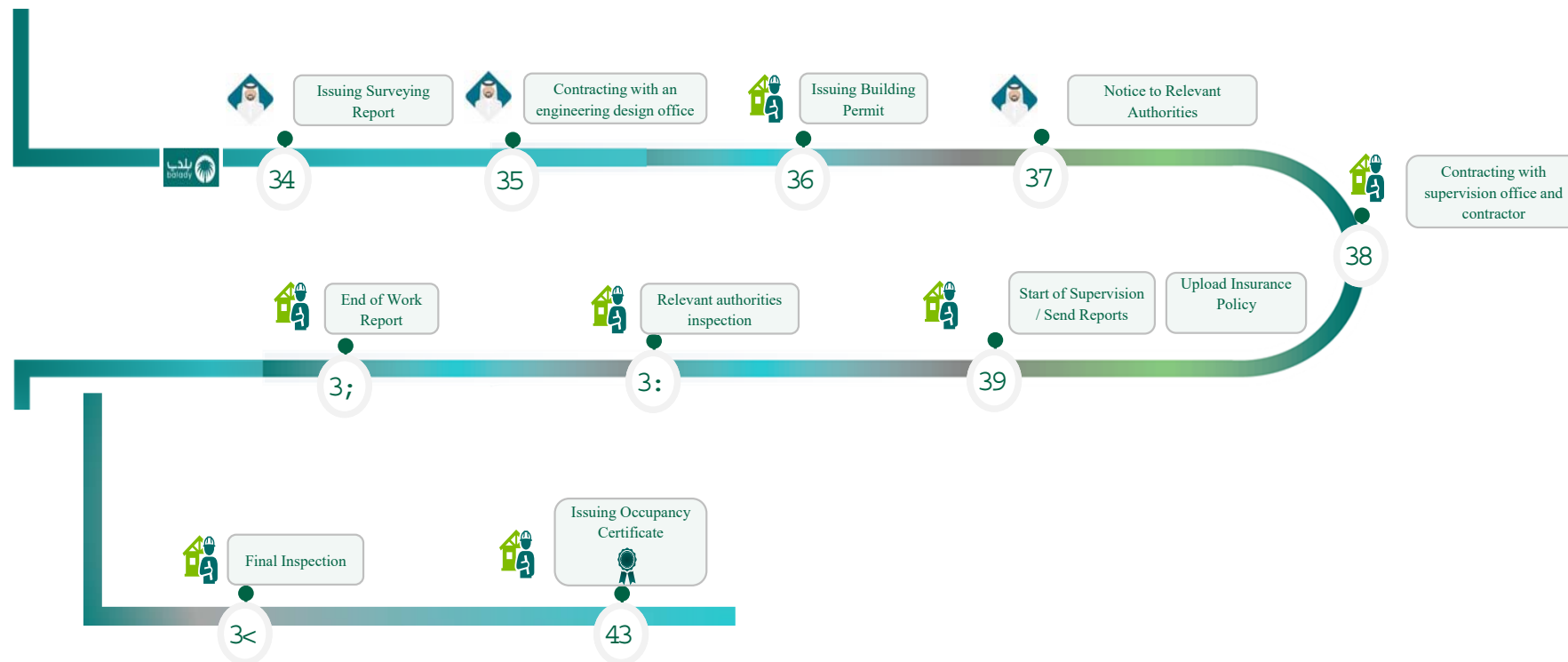


كفاءة  
Saudi Energy Efficiency Center  
المركز السعودي لكفاءة الطاقة



General Directorate of Civil Defense

# The Customer's Journey to Obtain Code-Based Building Permits





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# CARICOM Regional Organisation for Standards and Quality (CROSQ)

Mr. Fulgence St. Prix  
Technical Officer  
CARICOM Regional Organisation for  
Standards and Quality (CROSQ)





## GEVMGSQ \$LGVSWU

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MAJOR  
JURISDICTION  
COMMITTEE

# **MJC – *National Best Practices***

Jose Roig, CBO, CCEA  
Director, Austin Code Department  
& MJC Chair  
Austin, TX



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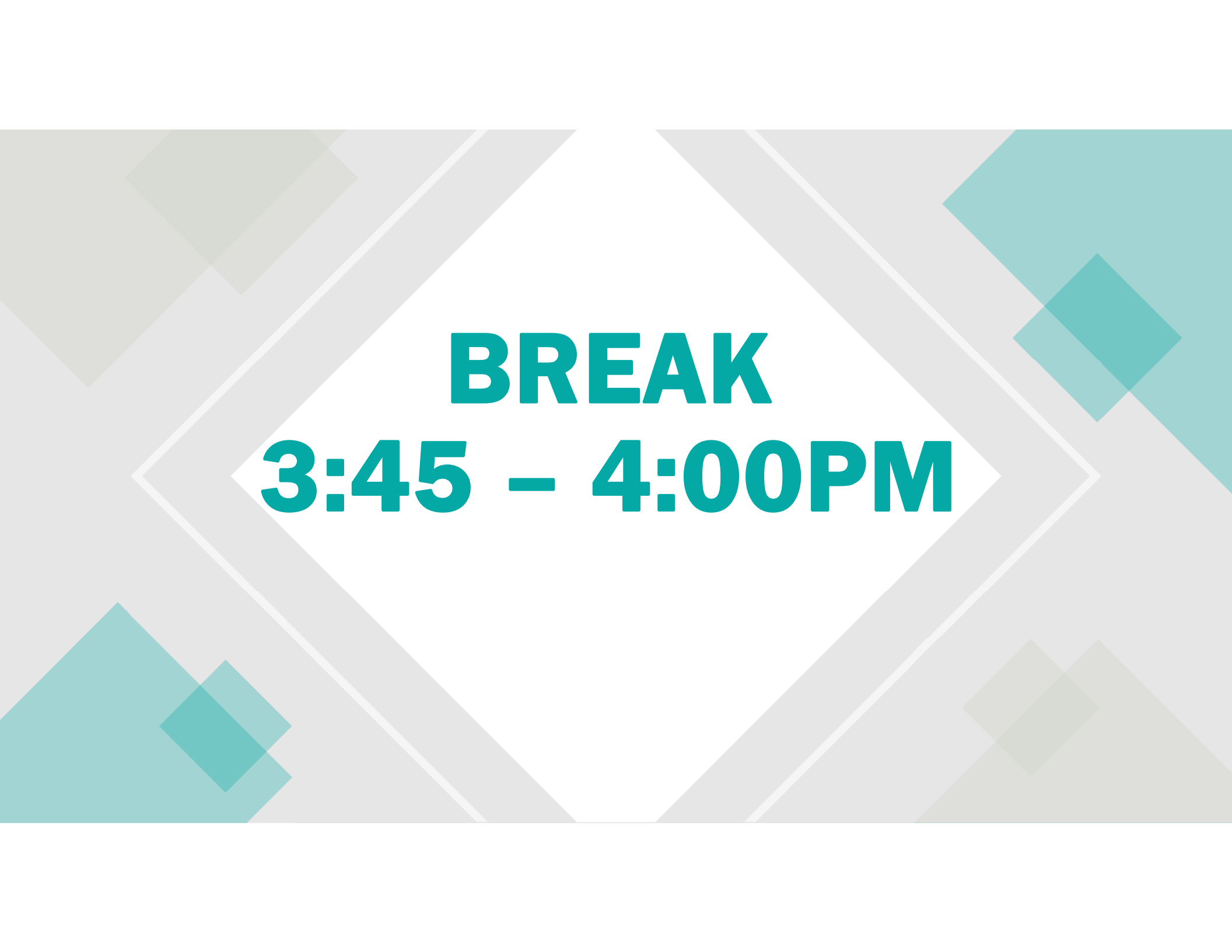
BUILDING  
MEMBERSHIP  
COUNCIL

# **BMC - *Regional Best Practices***

Mark Matheny, Chief Building Official  
& Chair-CBBPI  
Development Services Dept.  
City of Asheville, NC







**BREAK**  
**3:45 – 4:00PM**



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# 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**



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# PANEL QUESTION?

***What Best  
Practice Did You  
Learn from the  
Pandemic...***

# PANEL QUESTION?

***How Are You/Staff  
Staying Upbeat in  
These Challenging  
Times?***







# PANEL QUESTION

*What Do You See As  
Long-Term Prognosis  
From Major  
Wildland  
Fires/Climate  
Change for AHJ's?*





# PANEL QUESTION?

*Long Term  
Outcomes  
From Surfside  
Condo  
Collapse?*



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# QUESTIONS FROM THE AUDIENCE?



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# ***“FUTURE”*** **Best Practices**



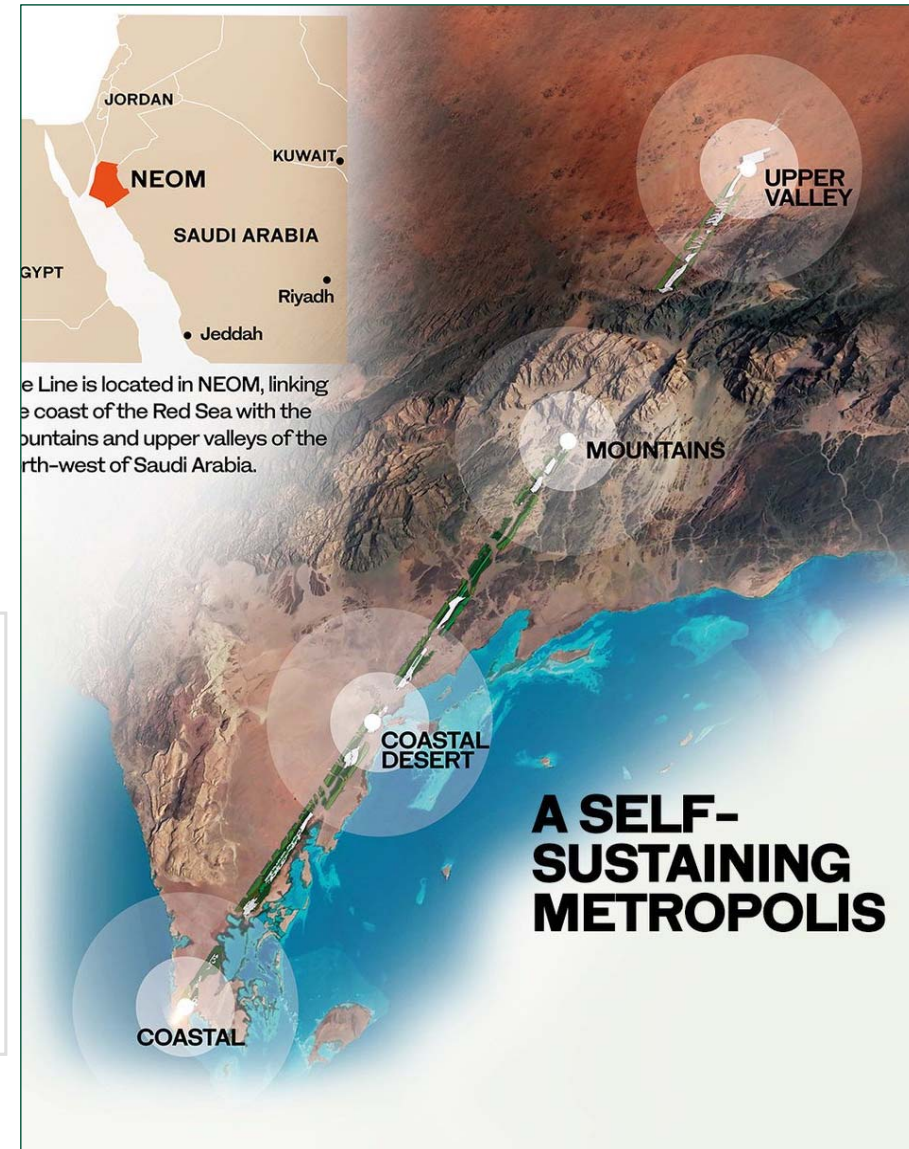


# NEOM

## A Vision of a New Future

**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!

**Jose Roig, CBO, CCEA**

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**512-974-1605**

**Mark Matheny**

**[mmatheny@ashevillenc.gov](mailto:mmatheny@ashevillenc.gov)**

**828-259-5667**

**Tim Spears, Fire Marshall**

**[tim.spears@sjcfire.org](mailto:tim.spears@sjcfire.org)**

**209-831-6707**

**Sam Palmer, PE, CBO**

**[palmer@clarkcountynv.gov](mailto:palmer@clarkcountynv.gov)**

**702-203-6278**



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