OREGON SIEC QUARTERLY MEETING

MEETING MINUTES

Date of Meeting:	11/10/2020	**Location:**	Virtual via teleconference
Minutes Prepared By:	Calloway Erickson	**Time:**	1:30pm – 3:30pm

1. Purpose of Meeting

Quarterly SIEC Council update Meeting

2. Attendance

SIEC Members, Appointed		Present
Sen. Betsy Johnson	Senate	
Rep. John Lively	House of Representatives	X
Joel Lujan	Oregon State Police	X
Matt Marheine	Office of Emergency Management	X
Brent Grimsrud	Oregon Department of Forestry	X
Marlene Taylor	Department of Corrections	X
Joseph Messman	Oregon Department of Transportation	X
Ben Gherezgiher	Office of the State CIO (EIS)	x
VACANT	Oregon Health Authority	
Dave Stuckey	Oregon Military Department	
Mike Herb	Dept. of Public Safety Standards & Training	X
Adam Haas	Tribal Representative	X
Michael Heffner	Oregon Broadband Advisory Council	X
VACANT	Public at large	
Mike Duyck, Chair (Broadband Committee Chair)	Oregon Fire Chiefs Association	X
Mark Daniel	Association of Chiefs of Police	X
Curtis Landers	Oregon Sheriffs' Association	X
Tony DeBone, (Co-Chair, Partnership Committee)	Association of Oregon Counties	X
VACANT	League of Oregon Cities	
Roger Johnson (AWN Work Group Chair)	Special District Association of Oregon	X
Cloy Swartzendruber	City IT Officer	X
Michael Harman	County IT Officer	X
Bob Cozzie, Vice Chair (Strategic Planning Committee Chair)	Public Safety Comm Org.	X
John Hartsock	FCC Region 35	X
SIEC Committee & RIC Chairs, SWIC		
Rick Iverson (Chair, Technical Committee Chair)	Dept. of Transportation	X
Dianne Majors (Chair, Partnership Committee)	Dept. of Transportation	X
Aaron Fox (Co-Chair, Technical Committee)	Portland Bureau of Emergency Management	X

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William Chapman, (SWIC)	Enterprise Information Services	X
Joe Davitt (Chair, WORJIC)	Wasco Co. 911	X
Renee Heidi (Co-Chair, WORJIC)	Frontier 911	X

3. Meeting Agenda

1. Call to order – Mike Duyck

***2.* Updates & Announcements – Mike Duyck**

- Introductions – Mike Duyck
  - *New SIEC Members*
- Quorum verification – EIS Support
- Approve Council Agenda – Mike Duyck
- Announcements
  - SIEC Orientation – Dec. 11th
  - 2021 SIEC Meeting Dates

3. Council Minutes Approval – Mike Duyck

- Minutes from August 2020 Meeting

4. Committee Reports – Committee Chairs

- Executive Committee - *Mike Duyck*
  - *New SIEC Orientation*
- Strategic Planning Committee - *Bob Cozzie*
  - *NG-911 Working Group Report*
- Broadband Committee - *Mike Duyck*

- *SPOC Report - Ben Gherezgiher*
  - *Technical Committee - Rick Iverson*
    - *New Co-Chair – Aaron Fox*
    - *AWN Working Group Report – Roger Johnson/William Chapman*
  - *Partnership Committee - Dianne Majors*
    - *Virtual Engagements in lieu of Radio Conference?*
    - *Creation of Master Calendar*

5. State SWIC Report – William Chapman

- COMU Working Group Updates
  - Lessons Learned from Wildfires
- Technical Assistance Request Report
  - Virtual COML – February 2021
  - INTD, AUXC postponed
  - COMEX – Spring 2021
  - HEMS Frequency Coordination
  - TICFOG Update
- Federal IR/LE Channels MOU Updates

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6. SCIP Implementation Report – Bob Cozzie

- Progress Reports – Objective Champions

7. Regional Interoperability Reports – Dianne Majors

- WORJIC – Joe Davitt

8. Council Action List – SIEC Membership

- Old Business: Shake Alert – Doug Toomey
- New Business: 4.9 GHz Band – Joe Messman
- New Business: Adoption of Basecamp for SIEC – William Chapman
- New Business: FirstNet Alternate Site Discussions and possible action. (Executive Session - 30 Minutes)

9. Open Discussions (Questions, public testimony)

10. Adjourn.

4. Meeting Notes, Decisions, Issues

1. **Call to order (Chair)**
    a. **Call to order at 1:30pm by Chief Duyck**
2. **Updates & Announcements**
    a. **Introductions**
        i. New SIEC Appointments
            1. Matthew Marheine
            2. Brent Grimsrud
            3. Marlene Taylor
            4. Joe Messman
            5. Ben Gherezgiher
            6. Mike Herb
            7. Michael Heffner
            8. Cloy Swartzendruber
            9. Michael Harman
            10. Mark Daniel
            11. Curtis Landers
    b. **Quorum verification**
        i. Quorum Established
    c. **Approve Council Agenda**
        i. Agenda Additions
            1. ShakeAlert Presentation
            2. Potential Executive Session near end of meeting due to FirstNet Deliberations
        ii. Motion by Chair Duyck to approve Agenda
        iii. Seconded by Mr. Gherezgiher
        iv. Motion Passed.
    d. **Announcements**
        i. SIEC Orientation – Dec. 11th
            1. Work with William if you would like to attend

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ii. 2021 SIEC Meeting Dates
1. Will be consistent with what they were in 2020, William will send those out
2. Will be quarterly virtual meetings

3. Council minutes (approve last SIEC meeting minutes)

a. September Minutes Approval
i. Motion by Mr. Haas
ii. Seconded by Mr. Cozzie
iii. Approved.

4. SIEC committee reports

a. Executive Committee – Chief Duyck
i. New SIEC Orientation
1. Have a nearly full council again
ii. Several items from the committee that will be discussed later in the meeting
iii. There are still vacancies in the council: OHA position, member of the public position, and LOC position. Get in touch with William if you know of anybody who could fill any of those positions

b. Strategic Planning Committee – Bob Cozzie
i. NG-911 Working Group Report
1. Has met twice to begin drafting workgroup charter, basically complete
ii. 2020 SCIP Implementation
1. One point of clarification is we need to determine the best way to highlight the champion of the ultimate work

c. Broadband Committee – Mike Duyck
i. SPOC Report - Ben Gherezgiher
1. FirstNet quarterly meeting update
2. FirstNet national update
a. 1.7M+ FirstNet connections, 14,000+ public safety agencies and organizations subscribed, 180+ FirstNet ready devices
b. 700+ markets with band 14 spectrum
c. Faster than any commercial network
d. 80% band 14 coverage completion; well ahead of schedule
e. 150+ apps in the FirstNet app catalog
f. 76+ dedicated deployable network assets, including 3 Flying COWs and 1 Aerostat
g. 450+ - times public safety turned to FirstNet response operations for additional emergency and planned event support so far this year
h. Overview of the six FirstNet authority roadmap domains
3. FirstNet services update in OR
a. 6 sites on air right now, 39 are in different states of build out
b. 2020 activities: 77% increase in subscriber adoption

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from 1/31/2020, 200+ Oregon entities adopting FirstNet services

c. 197 sites added band 14 capability, 660 speed/capacity enhancements, 10 sites were added including the 5 FirstNet sites
d. Added new coverage AT&T 4G LTE coverage has increased to be 8,400 miles to date
e. US cellular roaming agreement adds 276 sites, 54 of which offer additional coverage in rural areas.

4. FN project RAN buildout activities, 2020 quarter 4 forecast (until 12/31/2020)
    a. 10 new FirstNet sites will be completed, 4 new A&T business as usual sites
    b. Band 14 added to existing sites
    c. 5 LTE overlay o existing sites
    d. 50 Band 14 additions to existing sites
    e. 172 capacity/speed enhancements
5. RAN buildout progress
    a. 2019: 1 site completed
    b. 2020: 5 sites completed, makes 18 total at different levels of construction and deployment, expected to be completed by December 31st
    c. 2021: 18 sites, in various levels of site acquisition lifecycle. Construction & deployment is expected to be completed in the same year.
    d. 2022: 3 Sites, approved in planning stage. Construction and deployment to be completed in the same year.
6. Overview of 11 deployments of SatColts + Generators in 3Q2020
    a. Worked with SWIC at ECC, great show of support
7. Alternate site proposal ESC session
8. Q&A
    a. John Hartsock – next month could we get some info on how they're going to address resilience problem as it relates to fuel at sites? Would like to have info/discussion at next meeting.
        i. Ben said that was a good idea and will make sure that is addresses
    b. Adam Haas – warm springs is still critical to the tribe and transit through highway 26, wants to make sure that site is still on the map for executive session discussion and would like a status update on the site. Next thing is, if tribal members want to take advantage of FirstNet do they have to move all or some of their cell service over to AT&T?
        i. Ben – He will make sure Adam gets updates on the warm springs site. For the second question, he doesn't believe there will bae any change from

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FirstNet, thinks this will come up during working group discussion to discuss further

c. Joel Lujan – as they build out are they charting the propagation of the signals over the area they are building?
    i. Ben – validation of propagated band 14 is something he is working with them on, agrees they should probably do a field test.
    ii. William – will show Joel what the maps look like from a user's perspective

d. Joe Messman – Do the additional 270 US Cellular sites provide the same level of QOS or preemption that the FirstNet sites do
    i. Ben- the ones that are providing coverage (the 54) are supposed to at minimum provide preemption and priority to first responders

d. Technical Committee – Rick Iverson
    i. After the fires they are looking at preemptive ways to bridge gaps between systems. Wanting to work with OSFM and ODF to have resources available for them
    ii. White paper – save conversation for individual elements
    iii. New Co-Chair – Aaron Fox, city of Portland
    iv. AWN Working Group Report – Roger Johnson/William Chapman
    v. WCN has asked for modification to Interoperability Sites - Rick will forward that request to committee members for action later.

e. Partnership Committee – Dianne Majors
    i. Went over SCIP objectives in last meeting, also got an update on WORJIC
    ii. Virtual Engagements in lieu of Radio Conference?
        a. Decided to postpone Conference another year
        b. Looking at providing some virtual presentations, will send out invitations when those are scheduled
    iii. Creation of Master Calendar
        1. Working on creating calendar for future events

5. **State SWIC Report** – William Chapman
    a. COMU Working Group Updates
        i. Lessons Learned from Wildfires
            1. Still have COMU process in draft form, will have full proposal at next SEIC meeting
            2. During the fires it reinforced that we have a shortage of communication resources in the state
    b. Technical Assistance Request Report
        i. Virtual COML – February 2021
            1. Requested COML course, supposed to be in November, was postponed, new date is in February, this will be the pilot for the virtual COML.

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ii. INTD, AUXC postponed
    1. Approved for incident tactical dispatcher and an auxiliary communicator class, those have also been postponed until they can be offered virtually or until it is safe to meet in person

iii. COMEX – Spring 2021
    1. Approved for COMX last year, process is still ongoing, this is also postponed until May 6th or 7th

iv. HEMS Frequency Coordination
    1. Approved for help with HEMS frequency coordination, that has also been pushed back in to the winter

v. TICFOG Update
    1. In progress, expecting to be delayed until December on data collection, after that there will be some follow up meetings.

c. Federal IR/LE Channels MOU Updates
    i. MOU in place, going to delay that, will go out about the same time as the TICFOG, will do a full state update all at once
    ii.

6. SCIP Implementation Report – Bob Cozzie
a. Goal Progress Reports
    1. See SCIP Implementation Report

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7. Regional Interoperability Reports – Dianne Majors

- WORJIC – Joe Davitt
    - Update – started WORJIC, only had a few meetings, last one was yesterday. Updated charter, mission, and vision statement. Really trying to get their charter going, few more things they need to solidify.
    - Also formed two sub committees, one is to get a CAD that is shared between the 6/7 counties, also looking to get together a radio group. Those have not started yet.
    - Also trying to get grants, have one that needs to be done by January.
    - Charter says that they meet once a quarter, but they are going to start meeting every month. Maybe next year they will cut back to once a quarter

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8. Council Action List – SIEC Membership

a. Old Business: Shake Alert – Doug Toomey
    i. Public rollout – March 11, 2021
    ii. Continued Buildout through 2025
    iii. The governor asked in 2018 for $12M, included some support for ALERTWildfire
    iv. State funding, special session awarded $7.5M for ShakeAlert, funding also supports network upgrades
    v. How will state funds be used?
        1. Purchase and install 83 shake alert sites
        2. Improve telemetry backbone of system
            a. Real time delivery of data to 3 west coast alerting centers(Seattle, San Francisco, Los Angeles), data arrives there in about a second

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b. Benefits multi-hazards monitoring and provides leveraging point for a broad swath of stakeholders (e.g., federal, state, local, private)

vi. Scope of work
1. Upgrade and/or install 83 seismic sites (including telemetry) to Shake alert standards

vii. Benefits of linking shake alert and ALERTWildfire programs
1. Hardens data communications and make it more reliant
2. Wireless, IP-based high-speed backbone supports a multi-hazards system; not a on off alerting/detection system
3. Leverages funding sources that can amplify investments
4. Pulls together technical and human resources within the state to improve coordination and response

viii. Timeline of public release:
1. Phase 1:10/2018 limited alerting
2. Phase 2 1/2019 Test of public alerting
3. Phase 3: 10/17 2019 test of public alerting in CA
4. Phase 4: 3/11 2021 test of public alerting in Oregon

ix. Examples of public alerting in CA
1. Cellphone app & android OS
   i. LA County, Statewide
   ii. M4.5+
   iii. MMI 2+
2. Technical applications
   i. Building-Specific
   ii. M3.0+
   iii. MMI user defined
3. WEA
   i. Statewide
   ii. M5.0+
   iii. MMI 4+

x. Two layers to shake alert
1. USGS shake alert system – real-time earthquake monitoring, algorithm m detects earthquake, shake alert messages published
2. Technical partner – ADD 1:10

xi. Shake alert public alerting vs. automated actions
1. Public alerting
   a. Receive EEW alert by smartphone (WEA, App, Android OS)
   b. Only contains basic alert message
   c. Alerts sent only to earthquakes M4.5+ and shaking intensity 3.0+

xii. Automated action
1. Receive EEW alert by a variety of mechanisms, can take a variety of actions automatically
2. Alert contains information on earthquake characteristics and earthquake effects
3. Magnitude, Depth, Location, Certainty
4. Expected ground motion (shaking intensity), time until shaking arrives
5. Can tailor alert message to specific staff or job sites

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6. User defines what magnitude and shaking intensity threshold they alert for

xiii. Contacts info for OHAZ
1. Doug Toomey, Director: drt@uoregon.edu, work: (541) 346-5576, cell: (541) 632-2526
2. Leland O'Driscoll, Program Manager: lelando@uoregon.edu, work: (541) 346-3408, cell: (562) 304-6012
3. Lucy Walsh, ShakeAlert regional Coordinator: lwalsh@uoregon.edu

b. New Business: 4.9 GHz Band – Joe Messman
i. As of September 2020 FCC has taken action regarding the 4.9 GHz band, essentially there about 50 Megahertz opened up for public safety and commercial us, but the state must take the lead in licensing its use.
ii. Most of this band is used in urban areas, also used with ODOT traffic cameras.
iii. He and William will start to coordinate and put some efforts towards this, in the beginning stages of planning. Hope is to get some structure and develop some governance structure.
iv. Hope to have more info by the next meeting
v. Question from Bob Cozzie- will the applications to use that band come back to the SIEC?
1. Joe – The goal is that ODOT would lead that effort and that they could report to the SIEC, but that is still to be determined

c. New Business: Adoption of Basecamp for SIEC – William Chapman
i. Moving away from Govspace and moving towards basecamp, pilot program for the state. It is a much easier system to use.
ii. Going to have some instructions and training sessions between now and February, look out for those invites, should be a fairly easy transition
iii. Adam Haas says he has used it and it is very easy to use

d. New Business: FirstNet Alternate Site Discussions and possible action. (Executive Session 30 Minutes)
i. SIEC moved to executive committee meeting at 3:03 pm
ii. Resumed Public Meeting at 3:33pm

e. Vote – Ben Gherezgiher moves to approve changes to alternative FirstNet sites identified by AT&T as presented. Joel Lujan Seconded. Motion passed.

8. Open Discussions (Questions, public testimony)

- None

10. Adjourn.

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