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NG9-1-1 Interoperability Oversight Commission
Conference Call
Wednesday, February 8, 2023
Minutes
(All Times Eastern)

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- *Chair McMurrer called the meeting to order at 12:02pm.*

- *Chair McMurrer read the Conflict of Interest Policy to the Commission.*

- *Attendance is recorded in video conferencing software logs.*
    - In attendance (Six voting members required for quorum):
        - Steve McMurrer, Chair[1] (departure at 12:55pm)
        - Rick Blackwell, Vice Chair[1]
        - Dave Sehnert[1]
        - Maria Jacques[1]
        - Doug Cunningham[1]
        - Jeff Wittek[1]
        - Darlene Pankonie[1]
        - Ian Stephenson[1]
        - Steve O'Conor[1] (joined at approximately 12:06pm)
        - John Holloway
        - Brandon Abley (staff)
        - Brooks Shannon (staff) (departure at 12:55pm)
        - Dawn Manga (joined at approximately 12:56pm)
    - Absent:
        - Senator Cheryl Kagan[1]
        - Etienne Robelin
        - David Furth
        - Brian Tegtmeyer
        -

- *Approval of Minutes*
    - January Regular Meeting Minutes
        - Mr. Blackwell moves to approve.
        - Ms. Jaques seconds.
        - On a voice vote the **motion passes**.

- *Finances and Expenditures*
    - Question re: how NENA should spend the money allocated to NIOC
        - Process for spending on things such as SME consultants to support deep technical discussions on PCA and FG
        - NENA Board budget flowed to NIOC for management
        - Things that are extraordinary
            - Bring expenses to the NIOC for review/approval
            - Simple costs such as website update costs shall be allowed without NIOC approval

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[1] Denotes NIOC voting member

- ▪ Mr. Cunningham discussed concern with lack of approved budget and concerns for spending authority
- ▪ Mr. Abley clarified that all capital expenditures must be paid back to NENA. Expenses are accounted for in the financial model and a budget should be developed
- ▪ Mr. Wittek summarized that NIOC doesn't have a budget, rather NENA does and expects payback of certain costs (e.g., Eonti costs and Forest Guide services). NIOC should make recommendations to NENA on how to spend the money, such as paying for SME consultants, travel expenses for NIOC business, etc.
- ▪ Discussion regarding the need for NIOC to have its own account and accounting of funds.
- ▪ The Commission's position was that this would over complicate things and that NENA's expectation is to support NIOC on this, similar to Stir/Shaken and how ATIS supports the budget for these services.
- ▪ Mr. Wittek clarified that we should focus on getting a report on NENA's budget and working within that financial model.
- ▪ Mr. Shannon will receive a budget report from NENA on a regular basis and the Treasurer will provide regular updates to NIOC.
- ▪ Chair McMurrer raised the question if the NIOC should issue a simple RFP for creating a set of qualified SME consultants to call upon as needed to support technical needs of the NIOC. The Commissioners agree.
- ▪ Mr. Shannon and Treasurer Cunningham will follow up at our next meeting with the proposed process.
- ▪ Mr. O'Conor later shared via chat "The Bylaws say nothing about the NIOC being incorporated, nor (in my opinion) is incorporation envisioned. NIOC simply provides oversight of NENA's activities with regard to the "Interoperability Services" that are or may be established. One of the oversight responsibilities is financial."

- ● *Committee Reports*
  - o *Mission Effectiveness*
    - ▪ No update
  - o *Certificate Policy / Validation Policy*
    - ▪ Working to find one or more 911 Authorities and/or NG911 service providers who can be our first ICAs
      - ● Keyfactor's Certificate Policy Statement (CPS) conforms with NIOC's CPS
      - ● Hopeful that the PCA root certificate will be issued first half of 2023
    - ▪ PKI discussions with the Dept. of Defense occurred in January
    - ▪ Mr. Holloway requested unredacted CPS with DoD to share with their PKI SMEs
      - ● Mr. Abley stated that this was an intent all along and Mr. Shannon will follow up with Eonti to seek their input on the potential of sharing the CPS with DISA, DoD, and NSA
      - ● Mr. Wittek would like to know the nature of redacted materials to ensure we're protecting the PKI. What are we trying to protect with the redactions?
        - o This to be discussed during the regular business meeting on Monday, 2/13

- o Mr. Holloway shared that DoD CIO's office has a MOU with Eonti which extends across DISA and NSA.
  - ▪ Subscriber terms for the NIOC NG911 Interoperability Services is being developed
  - ▪ Subscriber application process - the 911 Authority having jurisdiction will need to supply an attestation that they are having their system service providers operate the ICA on their behalf and a description of where end-entity certificates will be applied (NGCS, CHE workstations, agents, etc.)
  - ▪ Onboarding documents need to be developed in the coming months
  - ▪ CPS was provisionally approved and subsequently several editorial changes and change from key sizes from 3072 to 2048 to align with i3 Standard
    - All changes must be approved by NIOC
    - Would like to hold special NIOC meeting the week of 2/20/23 to review/approve the CP and CPS
      - o Mr. Sehnert moves to approve scheduling a meeting the week of 2/20/23 at a date/time to be determined
      - o Ms. Jacques seconds
      - o On a voice vote, the **motion passes**
  - ▪ The first subscriber, Atos, will furnish:
    - ICA Architecture document
    - Listing of end-entities credentialed by their certificates
    - A letter of attestation from Fairfax County stating that the provider will operate on their behalf
  - ▪ NIOC then must review their CPS compliance and the three docs.
  - ▪ If all approved, then Keyfactor will be the first PCA subscriber on behalf of Atos
  - ▪

- ● *Forest Guide Update*
  - o Implementation project underway with delivery date of September 13, 2023 of fully-operational production Forest Guide
  - o Continue to have software development requirements
  - o Technical workshops occurring with Intrado on weekly basis (five so far)
  - o Possible risk: delivery of Lost Sync and an interim GIS data provisioning mechanism at the same time on or before 9/13/23 may not be possible. Intrado has sought legal counsel support to confirm their positioning of delivering one or the other.
    - ▪ Mr. Shannon will follow up with NENA counsel to seek his opinion on the contract language.
  - o Intrado asked to move from GovCloud to commercial cloud
    - ▪ The set of questions sent to Intrado and their responses are in Attachment A to these minutes.
    - ▪ The cost savings of 3.5% was minimal and the Commission has concerns about the change from security and perception perspectives
      - Mr. Sehnert motions to decline Intrado's request to for a change order to move from GovCloud to Commercial cloud
      - Mr. Wittek seconds
      - On a voice vote, **the motion passes.**
  - o Change order to clarify Forest Guide requirements and technical decisions discussed during technical workshops based on alignment with industry SMEs
  - o Change order to remove the need for DRM policy support
  - o Other change orders may be required as we clarify requirements with Intrado

- *NG9-1-1 Interoperability Task Force Update*
  - o Active, engaged discussion on scope and charter review/rewrite
  - o In-person Task Force meeting on 3/2 after 911 Goes to Washington.
    - ▪ Location: The Bush School, 1620 L St NW, Suite 700, Washington, DC 20036

- *Commissioner Concerns/Comments*
  - o Ms. Magna will be sending one of their PKI SMEs as a delegate in future meetings due to her busy travel schedule and she'll join as she is able.

- *Motion to Adjourn*
  - o Mr. Sehnert moves to adjourn; Ms. Jacques seconds
  - o On a voice vote the **motion passes**
  - o Meeting adjourned at 1:00pm

ATTACHMENT A: NIOC/Intrado Q&A re: GovCloud change order request

From: Campbell, Lennie <lcampbell@intrado.com>
Sent: Wednesday, December 21, 2022 11:41 AM
To: Brooks Shannon <bshannon@nena.org>
Cc: Kathleen B Longe <kblonge@intrado.com>; Collins, Thomas P <tcollins@intrado.com>; Campbell, Lennie <lcampbell@intrado.com>
Subject: RE: [EXT] NIOC Forest Guide Change Order for Hosting in a Commercial Cloud

Hello, Brooks,

Apologies for the late response about this. Please see inline below and let us know if you have any questions. And Happy Holidays to you!

1. Given the cost differential between a government cloud and a commercial cloud, what will be the reduction in Forest Guide pricing? We would see a reduction of 3.5% in the monthly recurring fees. Below is a comparison of the current and new pricing model.

Annual Subscription Fee by Tier	Population Tiers		Annual Subscription Fee		New MRF / Month
	Minimum	Maximum	MRF / Month	OTF	
1	-	200,000	$600	$1,000	$579.00
2	200,001	750,000	$1,000	$1,000	$965.00
3	750,001	2,000,000	$2,000	$2,000	$1,930.00
4	2,000,001	5,000,000	$3,600	$2,500	$3,474.00
5	5,000,001	25,000,000	$5,000	$3,500	$4,825.00
6	25,000,001	50,000,000	$6,000	$5,000	$5,790.00
7	50,000,001	100,000,000	$7,000	$5,000	$6,755.00
8	100,000,001	>100,000,001	$8,000	$5,000	$7,720.00

2. What system functionality and operational capabilities are gained by moving from a government cloud to a commercial cloud? As the cloud provider creates new services, the new services lag on Gov Service implementations. On the commercial cloud, the NIOC National Forest Guide would not be impacted by the service differential.

3. What security functionality and operational capabilities will be lost by moving from a government cloud to a commercial cloud? The only security gained by Gov Cloud is that any personnel with access to the physical servers are CJIS certified (CJIS certified cloud admins accessing Gov Cloud servers or non-CJIS certified cloud admins accessing the Commercial Cloud servers. In the past, Intrado obtained CJIS certifications for our Operations personnel and it was indicated that this was a requirement for our systems. At the time the RFP response was written, it was assumed that this was still a requirement, and hence the references to Gov Cloud. Intrado is no longer required to have CJIS certification on Operations personnel. There are no technical impacts or implications (for the current implementation of the system) between the Gov and Commercial Clouds.

Thank you,
Lennie

From: Campbell, Lennie <lcampbell@intrado.com>
Sent: Friday, January 20, 2023 5:15 PM
To: Brooks Shannon <bshannon@nena.org>
Cc: Kathleen B Longe <kblonge@intrado.com>; Thomas P Collins <tcollins@intrado.com>; Campbell, Lennie <lcampbell@intrado.com>
Subject: RE: [EXT] NIOC Forest Guide Change Order for Hosting in a Commercial Cloud

Hi, Brooks,

Welcome back from Florida! I hope your travels were safe and flights uneventful (and on time!).

Answers about the Cloud questions are inline below. As always, please let us know if you have further questions.
1. Will the commercial cloud offer increased service availability? Related to this, can Intrado explain which regions/availability zones the NIOC Forest Guide will be deployed to, and if the commercial cloud will offer additional regions/availability zones? Commercial Cloud does have the potential to offer increased service availability for future. Our initial plans would be to deploy in Oregon and Virginia.
2. Regarding the 3.5% reduction in monthly recurring fees, it is the NIOC's understanding that the cost of government cloud hosting is notably more expensive than commercial cloud hosting – often, it is 20% higher, if not more. Can Intrado explain why the reduction in monthly fees is only 3.5%? The Cloud costs only represent a small percentage of the total fees in the contract pricing. As such, the 30% reduction in the Cloud cost to Intrado only translates to a 3.5% decrease in the overall recurring fees to NIOC. The move to the Commercial cloud wouldn't impact the other elements that are baked into the recurring contract fees.

Thanks!
Lennie