NIOC Price Sheet
PSAP Credentialing Agency (PCA)
Public Key Infrastructure (PKI)

NIOC Annual Subscription Fees		
Flat Rate Per Agency	All Agencies participating in the PCA PKI that hold an Agency Certificate are required to pay an annual subscription fee.	$5,000 each per year
Volume Discount for Multiple Agencies	Population-based discounts are available to 9-1-1 Authorities contracting together when fees are paid in full upfront. The discount per population tier shown below applies to the combined set of 9-1-1 Authorities. *	
	Population Tiers	
	0 - 2,000,000	$15,000 per year
	2,000,001 – 5,000,000	$22,500 per year
	5,000,001 – 10,000,000	$33,750 per year
	10,000,001+	$50,625 per year

Each individual Agency within the Population Tier also requires an Agency Certificate and Validation (see fees in the table below)

PKI Administration and Validation Fees		
Agency & Principal Individual Validation(s)	Extended validation per Agency, that includes the Agency and Principal Individual's validation. If the Agency uses a Delegated Authority (DA) from a separate organization, the DA organization and DA Principal Individual must also be validated. This incurs a second validation fee. The	$1,200 per validation

	extended validation will occur every three (3) years. An additional validation is required, and the Agency charged any time there is a change to the Agency or Principal Individual.	
Agency Certificate (Can only be issued from the NIOC ICA)	A certificate issued to any Agency participating in the NG9-1-1 ecosystem. Agencies cannot be issued ICAs other End-Entity Certificates until the Agency has received an Agency Certificate through full validation.	$100 per certificate/year
Certification Practice Statement (CPS) or Registration Authority Practice Statement (RPS) Review	All Tier-2 ICAs are subject to this fee for Eonti to review their CPS prior to Discrete ICA issuance, or an RPS for a Hosted ICA. This fee is assessed after any significant published changes to the Certificate Policy, as determined by the Policy Authority (PA).	$1,500 per review

Hosted ICA Fees		
Tier 2		
Hosted ICA Issuance and Annual Fee	An ICA signed by the PCA and hosted at DigiCert (3-Year Validity**)	$16,500 per year
Tier 3		
Hosted ICA Issuance	An ICA at a county or other local level, hosted by DigiCert (3-Year Validity**)	$9,500 per year
End-Entity Certificate Pricing (Applies to all Hosted ICAs)		
Element/Service/Agent Certificate	End-Entity certificates are held by most members of the	$100 per year per certificate

	PKI. This includes, but is not limited to, call-handling equipment, 9-1-1 telecommunicators and groups of servers that comprise NG9-1-1 Core Services	

Discrete ICA Fees		
Tier 2		
Discrete ICA Issuance	An ICA signed by the PCA but hosted by the holder of the certificate. Discrete ICAs are subject to the same audits and requirements as any CA. (3-Year Validity**) Additional costs to the Agency include purchasing the CA software/hardware, Hardware Security Modules (HSM), developing the CPS, CA operations, certificate status management (i.e., CRL, OCSP), and yearly CA audits.	$25,000 per year
Tier 3		
Discrete ICA Issuance	An ICA signed by the PCA but hosted by the holder of the certificate. Discrete ICAs are subject to the same audits and requirements as any CA. (3-Year Validity**) Additional costs to the Agency include purchasing the CA software/hardware, Hardware Security Modules (HSM), developing the CPS, CA operations, certificate status	$15,000 per year

	management (i.e., CRL, OCSP), and yearly CA audits.	

See Appendix A for PKI Roles and Definitions

**The validity of the initial ICA (Hosted or Discrete) is three years. The ICA needs to be reissued at or just before Year 2 to provide a one-year overlap for certificate validity purposes. The overlap needs to be sufficient to match the End-Entity Certificate validity period. In the third year, the initial ICA is still valid, and still maintains its CRL, but no additional certificates would be issued from that ICA. Subsequent reissuance of an ICA will follow the same cycle. If the certificate validity periods change, the reissuance overlaps will be adjusted to match certificate validity.

Disclaimer: Pricing provided is for estimation purposes only and is subject to change based on project scope and specifications. While every effort has been made to ensure accuracy, errors or omissions may occur. Final pricing will be confirmed upon issuance of an official quote.

PCA Implementation Options

Single Tenant			Multi-Tenant
Owned and Operated by 9-1-1 Authority	Owned by 9-1-1 Authority, Operated by a Delegated Authority	Owned and Operated by NGCS Provider or other Private Entity	Owned and Operated by the NGCS Provider or other Private Entity Services Offered to the 9-1-1 Authority Servers shared by multiple 9-1-1 Authorities

If the options listed above do not meet current operational requirements contact NIOC at admin@ng911ioc.org to schedule a meeting to discuss your specific needs.

Forest Guide

A subscription for Forest Guide access is optional and can be added for an additional fee.

Forest Guide Fees				
Annual Subscription Fee by Tier	Population Tiers		Annual Subscription Fee	
	Minimum	Maximum	MRF / Month	OTF
1	-	200,000	$600.00	$1,000.00
2	200,001	750,000	$1,000.00	$1,000.00
3	750,001	2,000,000	$2,000.00	$2,000.00
4	2,000,001	5,000,000	$3,600.00	$2,500.00
5	5,000,001	25,000,000	$5,000.00	$3,500.00
6	25,000,001	50,000,000	$6,000.00	$5,000.00
7	50,000,001	100,000,000	$7,000.00	$5,000.00
8	100,000,001	>100,000,001	$8,000.00	$5,000.00

Access to the Forest Guide is provided on an annual basis. The first year of access includes an initial one-time setup fee and an annual subscription fee based on population served by the NG9-1-1 Interoperability Services subscriber. In subsequent years, subscribers only pay the annual subscription fee.

The Forest Guide subscription fees represent wholesale pricing from Intrado. The NIOC does not add any additional fees on top of the wholesale pricing; it is passed through as-is to subscribers.

Appendix A

9-1-1 Authority	A State, Provincial, Territorial, County, Regional, or other governmental entity responsible for 9-1-1 service operations. For example, this could be a county/parish, Indigenous or other local government, a special 9-1-1 or Emergency Communications District, a Council of Governments, or other similar body.
Agency	An Agency is an entity with a valid public safety purpose under a single discrete recognized administration. A governmental Agency is recognized through validating an enabling statute, ordinance, municipal incorporation, join powers agreement, or similar. A private entity is recognized through validating articles of incorporation, business registration, or similar.
Agency Certificate	An End-Entity Certificate issued to an Agency.
Agent Certificate	An End-Entity Certificate issued to a person.
CA (Certification Authority)	The CA is the collection of hardware, software, and operating personnel that create, sign, and issue Public Key Certificates to Subscribers.
CPS (Certificate Practice Statement)	A statement of the practices which a CA employs in issuing Certificates
Discrete ICA	An ICA operated by the Subscriber or a third-party PKI service provider on behalf of the Subscriber.
Element Certificate	A Certificate issued to a physical or virtual entity that is addressable and has a unique ID.
End Entity Certificate	A Certificate issued to a physical or virtual entity that is addressable and has a unique ID.
Hosted ICA	An ICA that is hosted by DigiCert in its PKI facilities.
HSM (Hardware Security Module)	A physical computing device that safeguards and manages digital keys for strong Authentication and provides crypto processing.
ICA (Intermediate CA)	A CA subordinate to the PCA or another ICA and operates in accordance to the CP.
ICA PA – Tier 2 and beyond	A PA assigned by the ICA owner to be responsible for setting up and approving policies and practices that apply to their ICA. The authority for the ICA PA is defined the ICA's CPS

MA (Management Authority)	The PA oversees the MA to provide trust management services to support the NG9-1-1 ecosystem in meeting its security goals in using the PCA PKI.
PA (Policy Authority)	The body established to oversee the creation and update of Certificate Policies, review CPSs, review the results of CA Audits for policy compliance, evaluate non-domain policies for acceptance within the domain, and generally oversee and manage the PKI Certificate Policies
RA (Registration Authority)	The RA is an authority that performs Certificate Management functions on behalf of the CA, such as collection and verification of a Prospective Subscriber's identity and information that is to be entered into the Subscriber's Public Key Certificates.
Relying Parties	A Relying Party is an entity that relies on the validity of the Binding of the Subscriber's name to a Public Key. The Relying Party uses a Subscriber's Certificate to verify or establish the identity and status of the Subscriber.
Service Certificate	An End-Entity Certificate issued to a service.
Sub-Agency	An Agency that is not getting an ICA Certificate that falls under a State, Regional, or similar ICA. A Sub-Agency requires their own Agency Certificate to be vetted and to participate in the NG9-1-1 PKI.
Subscribers	A Subscriber is the entity whose name appears as the Subject in an End Entity Certificate who agrees to use its Private Key and Certificate in accordance with the CP asserted in the Certificate itself and that does not itself issue Certificates