Version

Always set to 0

Digest Algorithms

SHA-256 as defined by RFC6485

encapContentInfo

eContent-Type

The econtent-type for ROA is defined as routeOriginAuthz (1.2.840.113549.1.9.16.1.24)

eContent

Version

Always set to 0

AS Number

For multiple ASes, the address space holder issues multiple ROAs, one per AS

IP Address Blocks

Set of IP Address Prefixes to which the AS is authorized to originate routes. This specification supports both IPv4 and IPv6. The PrefixMaxLength specifies the maximum length of the IP address prefix that the AS is authorized to advertise.

1	[IPv4/IPv6Address]/[PrefixMinLength]-[PrefixMaxLength]
2	[IPv4/IPv6Address]/[PrefixMinLength]-[PrefixMaxLength]
...	
N	[IPv4/IPv6Address]/[PrefixMinLength]-[PrefixMaxLength]

Certificate

The RPKI End-Entity (EE) certificate needed to be validate this signed object.

CRL

This field MUST be omitted

Signature