

## Version History

- 1.00 Original version.
- 1.01 Added: Trial SSL and Intranet SSL products.  
Error Codes/Messages -18 and -19.
- 1.02 Added: "dunsNumber" and "companyNumber" parameters.
- 1.03 Changed: "dunsNumber" is now a string parameter (rather than an integer).
- 1.04 Added: "product" is now a string of comma-separated integers (rather than an integer).  
TrustLogo and Card Payment TrustLogo products.
- 1.05 Added: "test" parameter.
- 1.06 Changed: Lines 3, 4, 5 are NOT returned when the application is to be paid for directly by credit card rather than by account funds.
- 1.07 Removed: Changes from 1.06.  
Line 5. This has been deprecated in favour of the new CollectSSL call.  
Changed: "Error Code" renamed "Status Code".  
"Amount Debited" changed to "Amount Debited/Required".  
Added: Error message 1 (Successful, Payment Required).  
Explanation of Successful Status Codes.
- 1.08 Added: "Amount Required" does not include UK VAT (if required).
- 1.09 Added: "days" parameter.
- 1.10 Added: "prioritiseCSRValues" parameter.  
Changed: Descriptions for address parameters.
- 1.11 Added: "emailAddress" parameter.  
EliteSSL, GoldSSL, PlatinumSSL and GoldSSL Wildcard products.  
Changed: Error message for Error Code -16.
- 1.12 Added: "caCertificateID" parameter.  
Changed: "emailAddress" parameter can have the value "none".
- 1.13 Added: "validationEmailAddress" parameter.
- 1.14 Added: "saspSessionID" parameter.
- 1.15 Added: "organizationName" and "countryName" parameters.
- 1.16 Added: Support for Multi-Domain SSL Certificates (i.e. a new value for the "product" parameter).  
Added: "domainNames" parameter (to support Multi-Domain SSL Certificates).  
Changed: "isCustomerValidated" must be **Y** for Multi-Domain SSL Certificates.
- 1.17 Added: Status Code/Error Message -35.  
Changed: The domain names in "domainNames" can be separated by commas or whitespace (previously it had to be commas).
- 1.18 Added: "serverSoftware" values 29 - 32.
- 1.19 Added: "maxSubjectCNs" parameter.  
"primaryDomainName" parameter.
- 1.20 Added: "contactEmailAddress" parameter.
- 1.21 Added: Legacy and SGC products.
- 1.22 Added: Legacy and SGC Wildcard products.
- 1.23 Added: "showCertificateID", "foreignOrderNumber".
- 1.24 Added: "responseFormat" parameter.  
Changed: In CSRs, Unicode is now supported in BMPStrings and UTF8Strings.
- 1.25 Changed: The product code for Multi-Domain SSL Certificate.
- 1.26 Added: "checkFONIsUnique" parameter.
- 1.27 Added: EV SSL and EV SGC SSL products and validation parameters.
- 1.28 Changed: "companyNumber" is now always required for EV SSL and EV SGC SSL orders.  
Changed: "dateOfIncorporation" is now always optional.
- 1.29 Changed: The maximum length of the "dunsNumber" field.
- 1.30 Corrected: The maximum length of the "primaryDomainName" field.
- 1.31 Added: "businessCategory" parameter for EV v1.0.
- 1.32 Added: "idaEmailAddress", "idaTelephoneNumber" and "idaFaxNumber" parameters.
- 1.33 Added: The product code for Unified Communications Certificate (UCC).  
Changed: The precise usage of the "domainNames", "primaryDomainName" and "maxSubjectCNs" parameters.  
Added: Some additional allowed values for "serverSoftware".  
Added: Error code -40.  
Added: "serverSoftware" value 35.
- 1.34 Changed: "isCustomerValidated" is no longer required to be **Y** for Multi-Domain SSL Certificates.
- 1.35 Added: The product code for EV Multi-Domain SSL Certificate.  
Added: "dcvEmailAddress" parameter for Domain Control Validation of DV SSL and OV SSL Certificates.  
Changed: "csr": O= and C= are optional.  
Added: "csr": SHA-2/RSA signatures are supported.
- 1.36 Added: "dcvEmailAddresses" parameter (to support DCV of Multi-Domain SSL Certificates).
- 1.37 Added: Applicant and callback parameters (to support OV callbacks by phone or letter).
- 1.38 Changed: Some updates to the applicant/callback parameters.  
Updated: Product names.  
Added: "COMODO SSL" DV product range.  
Added: "serverSoftware" value 36.  
Updated: Minimum RSA key size.  
Added: "dcvMethod" parameter.
- 1.39 Added: "validationTokens" parameter (to support DCV of Multi-Domain SSL Certificates).  
Changed: "dcvEmailAddresses" parameter to allow "HTTP CSR Hash" and "CNAME CSR Hash" methods.
- 1.40 Changed: Renamed the "applicantXXXX" parameters to "appRepXXXX" (for Applicant Representative).
- 1.41 Added: "signatureHash" parameter.  
Added: "COMODO AMT SSL" product range.  
Changed: CSRs may now contain ECC public keys and be signed using ECDSA.
- 1.42 Added: "showCertificateState" parameter.
- 1.43 Added: "dcvTemplateID" parameter.
- 1.44 Removed: References to SGC products.
- 1.45 Added: extra information into CSR parameter allowed values column.  
Added: "uniqueValue" parameter.  
Added: IP\_ADDRESS\_PRE into dcvMethod.
- 1.46 Added: "omitAdditionalFQDN" parameter.
- 1.47 Added: "doAutoOV" parameter.
- 1.48 Added: "SectigoSSL OV MDC" product

## 1. Request

Required variables are in **bold**.  
Optional variables are in *italics*.

Variable Name (case insensitive)	Type	Max. Length	Allowed Values	Description
<b>loginName</b>	string	64 chars		Account Username (case sensitive)
<b>loginPassword</b>	string	128 chars		Account Password (case sensitive)
<i>saspSessionID</i>	string	16 chars	If this parameter is specified, "loginName" and "loginPassword" should not be specified.	SASP Session ID
<b>product</b>	string	64 chars	<p>This parameter is a comma-separated string of integers. There MUST be exactly ONE of the following integers specified:</p> <p><b>DV SSL Certificates:</b>  <b>488</b> = COMODO SSL Certificate  <b>489</b> = COMODO SSL <i>Wildcard</i> Certificate  <b>492</b> = COMODO SSL Unified Communications Certificate</p> <p><b>EV SSL Certificates:</b>  <b>337</b> = COMODO EV SSL Certificate  <b>410</b> = COMODO EV Multi-Domain SSL Certificate</p> <p><b>OV SSL Certificates:</b>  <b>43</b> = Trial SSL Certificate  <b>44</b> = Intranet SSL Certificate  <b>24</b> = InstantSSL Certificate  <b>34</b> = InstantSSL Pro Certificate  <b>7</b> = PremiumSSL Certificate  <b>35</b> = PremiumSSL <i>Wildcard</i> Certificate  <b>316</b> = PremiumSSL Legacy Certificate  <b>322</b> = PremiumSSL Legacy <i>Wildcard</i> Certificate  <b>62</b> = EliteSSL Certificate  <b>63</b> = GoldSSL Certificate  <b>64</b> = PlatinumSSL Certificate  <b>65</b> = PlatinumSSL <i>Wildcard</i> Certificate  <b>318</b> = PlatinumSSL Legacy Certificate  <b>324</b> = PlatinumSSL Legacy <i>Wildcard</i> Certificate  <b>335</b> = Multi-Domain SSL Certificate  <b>361</b> = Unified Communications Certificate  <b>583</b> = SectigoSSL OV MDC</p> <p><b>AMT SSL Certificates:</b>  <b>510</b> = COMODO AMT SSL Certificate  <b>511</b> = COMODO AMT SSL <i>Wildcard</i> Certificate  <b>512</b> = COMODO AMT SSL Multi-Domain Certificate</p> <p>To order a COMODO SSL TrustLogo with product 488 or 489, add the following integer:  <b>490</b> = COMODO SSL TrustLogo</p> <p>An OV TrustLogo may be ordered with an OV SSL Certificate (excluding products 43, 44, 335 and 361) by adding any of the following integers:  <b>36</b> = TrustLogo  <b>37</b> = Card Payment TrustLogo</p> <p>Some examples:  product=24  product=34,36  product=35,36,37</p>	Product(s) required
<b>years</b> (optional if <b>days</b> is specified, or there is only one possible value – e.g. Trial SSL)	integer		<p>For most products: <b>1, 2</b> or <b>3</b></p> <p><b>NOTE:</b> <b>years</b> is superseded by <b>days</b>, but is retained for backwards compatibility.</p>	Validity Period (in years)
<b>days</b> (optional if <b>years</b> is specified, or there is only one possible value – e.g. Trial SSL)	integer		<p>For most products: <b>365, 730</b> or <b>1095</b></p> <p>For some products: <b>1461</b> and <b>1826</b> can also be used.</p>	Validity Period (in days)
<i>servers</i> (required for the <i>Wildcard</i> products)	integer		<i>Wildcard</i> products: <b>1</b> to <b>100</b> ; otherwise: ignored.	Number of Server Licenses
<b>serverSoftware</b>	integer		<b>1</b> = AOL <b>2</b> = Apache/ModSSL <b>3</b> = Apache-SSL (Ben-SSL, not Stronghold) <b>4</b> = C2Net Stronghold <b>33</b> = Cisco 3000 Series VPN Concentrator <b>34</b> = Citrix <b>5</b> = Cobalt Raq <b>6</b> = Covalent Server Software <b>29</b> = Ensim <b>32</b> = H-Sphere <b>7</b> = IBM HTTP Server <b>8</b> = IBM Internet Connection Server <b>9</b> = iPlanet	

			<p>10 = Java Web Server (Javasoftware / Sun)  11 = Lotus Domino  12 = Lotus Domino Go!  13 = Microsoft IIS 1.x to 4.x  14 = Microsoft IIS 5.x to 6.x  35 = Microsoft IIS 7.x and later  15 = Netscape Enterprise Server  16 = Netscape FastTrack  36 = nginx  17 = Novell Web Server  18 = Oracle  30 = Plesk  19 = Quid Pro Quo  20 = R3 SSL Server  21 = Raven SSL  22 = RedHat Linux  23 = SAP Web Application Server  24 = Tomcat  25 = Website Professional  26 = WebStar 4.x and later  27 = WebTen (from Tenon)  31 = WHM/cPanel  28 = Zeus Web Server  -1 = OTHER</p>																																																					
<p><i>domainNames</i>  <small>(only relevant for Multi-Domain SSL Certificates and Unified Communications Certificates)</small></p>	string	32767 chars	<p>A comma-separated (or whitespace-separated) list of Domain Names / IP Addresses to be placed into the EV Multi-Domain SSL Certificate, Multi-Domain SSL Certificate or Unified Communications Certificate.  If the CSR's Subject Alternative Name extension...  i) includes 1 or more Domain Names, and this "domainNames" parameter is <i>omitted</i>, then the Domain Names from the CSR will be <i>used</i>.  ii) includes 1 or more Domain Names, and this "domainNames" parameter is <i>specified</i>, then the Domain Names from the CSR will be <i>ignored</i>.  iii) is not present, or is present but includes 0 Domain Names, then this "domainNames" parameter <i>must be present</i>.</p> <p><b>NOTE:</b> commas and/or whitespace may need to be manually URL-encoded (e.g. %2C for a comma), depending on whether or not the calling environment does this automatically.</p>	List of Domain Names																																																				
<p><i>primaryDomainName</i>  <small>(only relevant for Multi-Domain SSL Certificates and Unified Communications Certificates)</small></p>	string	64 chars	<p>One of the Domain Names listed in "domainNames", which should appear as the first Common Name in the Subject DN of the resulting EV Multi-Domain SSL Certificate, Multi-Domain SSL Certificate or Unified Communications Certificate.  For <b>Multi-Domain Certificates</b>: If this parameter is omitted, the Common Names will be listed in alphabetical order within the certificate.  For <b>Unified Communications Certificates</b>: If this parameter is omitted, then the value of the CSR's Common Name will be used as the primary domain name instead.</p>	Primary Domain Name																																																				
<p><i>maxSubjectCNs</i>  <small>(optional for Multi-Domain SSL Certificates; ignored for all other certificate types)</small></p>	integer		<p>If omitted, all of the Domain Names listed in "domainNames" will be included as Common Names in the Subject DN of the resulting EV Multi-Domain SSL Certificate or Multi-Domain SSL Certificate.  If 1, there will only be 1 Common Name in the resulting certificate. This will have the value provided by "primaryDomainName" (so, in this case, "primaryDomainName" must have a value).  If 0, no Common Names will be included in the resulting certificate.</p> <p>Note that all of the Domain Names listed in "domainNames" will always be included as dnsName components of the Subject Alternative Name extension in the resulting Multi-Domain SSL Certificate or EV Multi-Domain SSL Certificate.</p> <p>This parameter need not be specified for Unified Communications Certificates, since UCCs always have "maxSubjectCNs" set to 1.</p>	Number of CNs																																																				
<p><b>csr</b></p>	string	32767 chars	<p><b>Version: 0</b>  <b>Subject:</b>  The fields may be in any order (although multiple street addresses, if present, should be in the correct order).  <b>MUST include these fields:</b></p> <table border="1"> <thead> <tr> <th>OID</th> <th>Description</th> <th>Supported ASN.1 Type(s)</th> <th>Max. Length</th> </tr> </thead> <tbody> <tr> <td>2.5.4.3</td> <td>Common Name (MUST contain the Fully-Qualified Domain Name)</td> <td>DirectoryString</td> <td>64 chars</td> </tr> </tbody> </table> <p><b>MAY include these fields:</b></p> <table border="1"> <thead> <tr> <th>OID</th> <th>Description</th> <th>Supported ASN.1 Type(s)</th> <th>Max. Length</th> </tr> </thead> <tbody> <tr> <td>2.5.4.10</td> <td>Organization Name</td> <td>DirectoryString</td> <td>64 chars</td> </tr> <tr> <td>2.5.4.11</td> <td>Organizational Unit Name</td> <td>DirectoryString</td> <td>64 chars</td> </tr> <tr> <td>2.5.4.18</td> <td>Post Office Box</td> <td>DirectoryString</td> <td>40 chars</td> </tr> <tr> <td>2.5.4.9</td> <td>Street Address 1</td> <td>DirectoryString</td> <td>128 chars</td> </tr> <tr> <td>2.5.4.9</td> <td>Street Address 2</td> <td>DirectoryString</td> <td>128 chars</td> </tr> <tr> <td>2.5.4.9</td> <td>Street Address 3</td> <td>DirectoryString</td> <td>128 chars</td> </tr> <tr> <td>2.5.4.7</td> <td>Locality Name</td> <td>DirectoryString</td> <td>128 chars</td> </tr> <tr> <td>2.5.4.8</td> <td>State or Province Name</td> <td>DirectoryString</td> <td>128 chars</td> </tr> <tr> <td>2.5.4.17</td> <td>Postal Code</td> <td>DirectoryString</td> <td>40 chars</td> </tr> <tr> <td>2.5.4.6</td> <td>Country Name (ISO3166 2-character code)</td> <td>PrintableString</td> <td>2 chars</td> </tr> </tbody> </table> <p>Note: DirectoryString is a choice of PrintableString, TeletexString, BMPString, UniversalString (ASCII only) or UTF8String.  Any other fields <b>MAY</b> be present, but will be ignored.  <b>Subject Public Key Info:</b>  <b>RSA:</b> OID = <b>rsaEncryption</b> (PKCS#1); Size = <b>2048</b> to <b>8192</b> bits.  <b>ECC:</b> OID = <b>id-ecPublicKey</b> (RFC3279); Curve = <b>P-256</b>, <b>P-384</b> or <b>P-521</b>.  <b>Attributes:</b>  Any attributes <b>MAY</b> be present, but will be ignored.</p>	OID	Description	Supported ASN.1 Type(s)	Max. Length	2.5.4.3	Common Name (MUST contain the Fully-Qualified Domain Name)	DirectoryString	64 chars	OID	Description	Supported ASN.1 Type(s)	Max. Length	2.5.4.10	Organization Name	DirectoryString	64 chars	2.5.4.11	Organizational Unit Name	DirectoryString	64 chars	2.5.4.18	Post Office Box	DirectoryString	40 chars	2.5.4.9	Street Address 1	DirectoryString	128 chars	2.5.4.9	Street Address 2	DirectoryString	128 chars	2.5.4.9	Street Address 3	DirectoryString	128 chars	2.5.4.7	Locality Name	DirectoryString	128 chars	2.5.4.8	State or Province Name	DirectoryString	128 chars	2.5.4.17	Postal Code	DirectoryString	40 chars	2.5.4.6	Country Name (ISO3166 2-character code)	PrintableString	2 chars	<p>Certificate Signing Request  (Base-64 encoded, with or without the  -----BEGIN xxxxx-----  and  -----END xxxxx-----  header and footer)</p>
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			<p><b>Signature Algorithm:</b>  <b>md5WithRSAEncryption</b> (PKCS#1)  or <b>sha1WithRSAEncryption</b> (PKCS#1)  or <b>sha224WithRSAEncryption</b> (PKCS#1)  or <b>sha256WithRSAEncryption</b> (PKCS#1)  or <b>sha384WithRSAEncryption</b> (PKCS#1)  or <b>sha512WithRSAEncryption</b> (PKCS#1)  or <b>ecdsa-with-SHA1</b> (RFC3279)  or <b>ecdsa-with-SHA224</b> (RFC5758)  or <b>ecdsa-with-SHA256</b> (RFC5758)  or <b>ecdsa-with-SHA384</b> (RFC5758)  or <b>ecdsa-with-SHA512</b> (RFC5758)</p> <p>For the HTTP_CSR_HASH, and CNAME_CSR_HASH dcVMethods we have introduced support for Request Tokens as defined in the CABF Baseline Requirements (version 1.4.1 or later) and in the manner described in Comodo's 'Domain Control Validation' document (version 1.09 or later).</p> <p>From 20th July 2017, the use of unique Request Tokens, the new /.well-known/pki-validation path, and the underscore prepended to the NAME for the CNAME will be required for the HTTP_CSR_HASH and CNAME_CSR_HASH dcVMethods.</p> <p>Request tokens may be ensured to be unique by:</p> <ol style="list-style-type: none"> <li>1) Generating a new CSR each time;</li> <li>2) Provide a previously used CSR and omit the uniqueValue. Comodo will generate a uniqueValue and this will be returned; or</li> <li>3) Passing in the uniqueValue variable (see below) in addition to the CSR. This will allow the re-use of a CSR.</li> </ol>	
<i>uniqueValue</i>	string	<b>20</b> chars	<p>An alphanumeric value.</p> <p>This uniqueValue is incorporated into the Request Token used with the HTTP_CSR_HASH, and CNAME_CSR_HASH dcVMethods.</p> <p>This uniqueValue is used to ensure that the Request Token for this certificate is unique. Request Tokens are as defined in the CABF Baseline Requirements (version 1.4.1 or later) and used in the manner described in Comodo's 'Domain Control Validation' document (version 1.09 or later)</p> <p>If this <b>uniqueValue</b> parameter is omitted, and if the same CSR has previously been passed to Comodo as part of a certificate order, Comodo will generate a uniqueValue and return it in the response from this API call.</p> <p>If this <b>uniqueValue</b> parameter is provided, and if the same CSR has previously been passed to Comodo as part of a certificate order, an error code (-55) will be returned if you are attempting to re-use the same combination of CSR and uniqueValue.</p>	
<i>prioritiseCSRValues</i>	char	<b>1</b> char	<p><b>Y</b> or <b>N</b>.</p> <p>If omitted, it's value defaults to <b>Y</b>.</p>	This specifies which values to use if there are duplicates (e.g. if a Postal Code is specified in both the CSR and as a separate variable).
<i>signatureHash</i>	string	<b>64</b> chars	<p><b>NO_PREFERENCE</b> – Let Comodo decide (the default, if this parameter is omitted).</p> <p><b>INFER_FROM_CSR</b> – If the CSR was signed using sha1WithRSAEncryption or md5WithRSAEncryption, then PREFER_SHA1; Else PREFER_SHA2.</p> <p><b>PREFER_SHA2</b> – If a suitable SHA-2 capable Sub-CA is available, Comodo will use SHA-2; Else PREFER_SHA1.</p> <p><b>PREFER_SHA1</b> – If the current industry regulations and Comodo policies permit, Comodo will use SHA-1; Else REQUIRE_SHA2.</p> <p><b>REQUIRE_SHA2</b> – If a suitable SHA-2 capable Sub-CA is available, Comodo will use SHA-2; Else, issuance of the certificate will be blocked until a suitable Sub-CA becomes available.</p>	Preference for the signature hash algorithm to be used when issuing the certificate.
<b>organizationName</b> <i>organizationName (if there is an Organization Name in the CSR)</i>	string	<b>64</b> chars	If an Organization Name is specified here and <b>prioritiseCSRValues</b> is set to <b>N</b> , this value will be used instead of the Organization Name in the CSR.	Organization Name
<i>organizationalUnitName</i>	string	<b>64</b> chars	If an Organizational Unit Name is specified here and in the <b>csr</b> , <b>prioritiseCSRValues</b> indicates which value will be used.	Organizational Unit Name (e.g. Company Department)
<i>postOfficeBox</i>	string	<b>40</b> chars	If a Post Office Box is specified here and in the <b>csr</b> , <b>prioritiseCSRValues</b> indicates which value will be used.	Post Office Box
<b>streetAddress1</b> <i>streetAddress1 (if there is a Street Address in the CSR)</i>	string	<b>128</b> chars	If a Street Address is specified here and in the <b>csr</b> , <b>prioritiseCSRValues</b> indicates which value will be used.	Street Address 1
<i>streetAddress2</i>	string	<b>128</b> chars	If a second Street Address is specified here and in the <b>csr</b> ,	Street Address 2

			<b>prioritiseCSRValues</b> indicates which value will be used.	
<i>streetAddress3</i>	string	128 chars	If a third Street Address is specified here and in the <b>csr</b> , <b>prioritiseCSRValues</b> indicates which value will be used.	Street Address 3
<b>localityName</b> <i>localityName (if there is a Locality Name in the CSR)</i>	string	128 chars	If a Locality Name is specified here and in the <b>csr</b> , <b>prioritiseCSRValues</b> indicates which value will be used.	Locality Name
<b>stateOrProvinceName</b> <i>stateOrProvinceName (if there is a State or Province Name in the CSR)</i>	string	128 chars	If a State or Province Name is specified here and in the <b>csr</b> , <b>prioritiseCSRValues</b> indicates which value will be used.	State or Province Name
<b>postalCode</b> <i>postalCode (if there is a Postal Code in the CSR)</i>	string	40 chars	If a Postal Code is specified here and in the <b>csr</b> , <b>prioritiseCSRValues</b> indicates which value will be used.	Postal Code
<b>countryName</b> <i>countryName (if there is a Country Name in the CSR)</i>	string	2 chars	If a Country Name is specified here and <b>prioritiseCSRValues</b> is set to <b>N</b> , this value will be used instead of the Country Name in the CSR.	Country Name (ISO3166 2-character country code)
<i>dunsNumber</i>	string	20 chars		DUN and Bradstreet Number
<i>companyNumber</i>	string	25 chars		Company Registration Number
<i>joiLocalityName</i>	string	128 chars	Only for EV Certificates: The City or Town (if any) in which the company is incorporated or registered.	Jurisdiction of Incorporation: Locality
<i>joiStateOrProvinceName</i>	string	128 chars	Only for EV Certificates: The State or Province (if any) in which the company is incorporated or registered.	Jurisdiction of Incorporation: State
<i>joiCountryName</i> <b>joiCountryName</b> (for EV Certificate orders)	string	2 chars	Only for EV Certificates: The Country in which the company is incorporated or registered.	Jurisdiction of Incorporation: Country
<i>dateOfIncorporation</i>	string	10 chars	Only for EV Certificates: The date of incorporation (YYYY-MM-DD) of the company. This is useful information for Validation purposes.	Date of Incorporation
<i>assumedName</i>	string	64 chars	Only for EV Certificates: The d/b/a (does business as) name (if any) for the company.	d/b/a Name
<i>businessCategory</i>	char	1 char	<b>b</b> = Private Organization. <b>c</b> = Government Entity. <b>d</b> = Business Entity.	Business Category (see Clause 5 of the EV Guidelines V1.0)
<i>emailAddress</i>	string	255 chars	If specified, the certificate will be emailed to this email address rather than the applicant's admin email address. If the value specified is "none", no certificate issuance email will be sent at all (this is probably only useful if you intend to collect the certificate with CollectSSL).	Alternative issuance email address
<i>validationEmailAddress</i>	string	255 chars	If specified, Comodo will validate that this is the email address of the end customer. Comodo will not send any emails to this email address; instead Comodo will trust you, the Web Host, to forward emails to this end customer as appropriate.	Validation Email Address
<i>contactEmailAddress</i>	string	255 chars	If specified, this email address will be the only email address that Comodo Validation Staff will correspond with during the processing of this order.	Contact Email Address
<i>dcvMethod</i>	string	32 chars	Selected method for Domain Control Validation. Permitted values are: <b>EMAIL</b> <b>HTTP_CSR_HASH</b> <b>CNAME_CSR_HASH</b> <b>IP_ADDRESS_PRE</b>  (If omitted, the default value is "EMAIL").  For more information, see the "Domain Control Validation" document (version 1.09 or later).	Domain Control Validation Method
<i>dcvEmailAddress</i> (only relevant for single-domain SSL certificates)	string	255 chars	If specified, this email address must be an acceptable email address with which to perform Domain Control Validation (DCV) for this certificate. See the documentation for the GetDCVEmailAddressList API for more information.  Alternative DCV mechanisms are now available. See the "Domain Control Validation" document for full details.	Domain Control Validation Email Address
<i>dcvEmailAddresses</i> (only relevant for Multi-Domain SSL Certificates and Unified Communications Certificates)	string	32767 chars	A comma (or white-space)-separated list of DCV Email Addresses to be used to perform Domain Control Validation for each domain in this certificate. The order in which these email addresses are listed must be exactly the same as the order of the domain names in the certificate request (see 'domainNames' variable, above).  Alternative DCV mechanisms are now available – see the "Domain Control Validation" document for full details. You can pass the following values for each domain: <b>HTTPCSRHASH</b> or <b>CNAMECSRHASH</b> or <b>IPADDRESSPRE</b>  You can use one of the following magic tokens if all the domains in the order are to be set to the same alternative DCV method: <b>ALLHTTPCSRHASH</b> or <b>ALLCNAMECSRHASH</b> or <b>ALLIPADDRESSPRE</b>  <b>Note:</b> The magic token must be the only value passed to the parameter for it to work.  If this parameter is specified, "validationTokens" should not be specified.	List of DCV Email Addresses
<i>dcvTemplateID</i>	integer			If specified, this overrides Comodo's default choice of DCV email template to be used to validate this certificate. Talk to your account

				manager if you would like to set up one or more of your own DCV email templates that can be referenced by this parameter
<i>validationTokens</i> (only relevant for Multi-Domain SSL Certificates and Unified Communications Certificates)	string	32767 chars	A comma (or white-space)-separated list of DCV Email Addresses to be used to perform Domain Control Validation for each domain in this certificate. The order in which these email addresses are listed must be exactly the same as the order of the domain names in the certificate request (see 'domainNames' variable, above).  Alternative DCV mechanisms are now available – see the “Domain Control Validation” document for full details. You can pass the following values for each domain: <b>HTTPCSRHASH</b> or <b>CNAMECSRHASH</b> or <b>IPADDRESSPRE</b>  You can use one of the following magic tokens if all the domains in the order are to be set to the same alternative DCV method: <b>ALLHTTPCSRHASH</b> or <b>ALLCNAMECSRHASH</b> or <b>ALLIPADDRESSPRE</b>  <b>Note:</b> The magic token must be the only value passed to the parameter for it to work.  If this parameter is specified, “dcvEmailAddresses” should not be specified.	List of Validation Tokens
<i>caCertificateID</i>	integer		If specified, this overrides Comodo’s default choice of CA certificate/key to be used to issue this certificate. This functionality is only available by special agreement with Comodo.	Use particular CA certificate/key
<b>isCustomerValidated</b>	char	1 char	<b>Y</b> or <b>N</b> .	If <b>Y</b> (or <b>y</b> ), the Web Host has validated the customer; if <b>N</b> (or <b>n</b> ), Comodo will validate the customer
<i>showCertificateID</i>	char	1 char	<b>Y</b> or <b>N</b> .  If omitted, it’s value defaults to <b>N</b> .	If this value is set to <b>Y</b> , the certificateID of the SSL certificate generated by the order is also part of the resultSet.
<i>foreignOrderNumber</i>	char	64 characters	This identifier can be returned by some of our other APIs to aid in integration with partner systems.	An identifier for this order.
<i>checkFONIsUnique</i>	char	1 char	<b>Y</b> or <b>N</b> .	If <b>Y</b> , the “foreignOrderNumber” parameter (if specified) must have <b>not</b> already been used for any order placed by this account.
<i>responseFormat</i>	char	1 char	<b>0</b> = New-line delimited parameters. <b>1</b> = URL-encoded parameters.  If omitted, its value defaults to <b>0</b> .	Explained in sections 2 and 3 below.
<i>test</i>	char	1 char	<b>Y</b> or <b>N</b> .	If <b>Y</b> (or <b>y</b> ), the account will not be charged and the order will be processed as a test order. If omitted, it’s value defaults to <b>N</b> .
<i>idaEmailAddress</i>	string	255 chars	An Email Address to add to IdAuthority, for display in TrustLogo popups. (Only applicable if a TrustLogo is being ordered).	An Email Address to add to IdAuthority.
<i>idaTelephoneNumber</i>	string	32 chars	A Telephone Number to add to IdAuthority, for display in TrustLogo popups. (Only applicable if a TrustLogo is being ordered)	A Telephone Number to add to IdAuthority.
<i>idaFaxNumber</i>	string	32 chars	A Fax Number to add to IdAuthority, for display in TrustLogo popups. (Only applicable if a TrustLogo is being ordered)	An Fax Number to add to IdAuthority.
<i>appRepForename</i> (only relevant for OV Certificates)	string	64 chars	Required when Comodo will perform the Organizational callback.	Applicant Representative's Name to be used for callback.
<i>appRepSurname</i> (only relevant for OV Certificates)	string	64 chars	Required when Comodo will perform the Organizational callback.	Applicant Representative's Name to be used for callback.
<i>appRepEmailAddress</i> (only relevant for OV Certificates)	string	255 chars	Required when Comodo will perform the Organizational callback.	Applicant Representative's email address to be used with callback.
<i>appRepTelephone</i> (only relevant for OV Certificates)	string	32 chars	Required when Comodo will perform the Organizational callback.	Applicant Representative's phone number for callback.
<i>appRepTitle</i> (only relevant for OV Certificates)	string	64 chars		Applicant Representative's title to be used for callback.
<i>appRepFax</i> (only relevant for OV Certificates)	string	32 chars		Applicant Representative's fax number to be used for callback.
<i>appRepOrganization Name</i> (only relevant for OV Certificates)	string	255 chars	<b>DO NOT</b> specify this field unless the Applicant Representative's Organization Name/Address details are different to the Organization Name/Address details that have been requested to appear in the certificate.	Applicant Representative's Organization Name

<i>appRepOrganizationalUnitName</i> (only relevant for OV Certificates)	string	64 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's Organizational Unit Name
<i>appRepStreetAddress1</i> (only relevant for OV Certificates)	string	128 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's street address 1
<i>appRepStreetAddress2</i> (only relevant for OV Certificates)	string	128 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's street address 2
<i>appRepStreetAddress3</i> (only relevant for OV Certificates)	string	128 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's street address 3
<i>appRepPostOfficeBox</i> (only relevant for OV Certificates)	string	128 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's post office box #
<i>appRepLocalityName</i> (only relevant for OV Certificates)	string	128 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's locality name
<i>appRepStateOrProvinceName</i> (only relevant for OV Certificates)	string	128 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's state
<i>appRepPostalCode</i> (only relevant for OV Certificates)	string	40 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's Zip
<i>appRepCountryName</i> (only relevant for OV Certificates)	char	2 chars	If <i>appRepOrganizationName</i> is not specified, then this field is ignored.	Applicant Representative's country code (ISO3166 2-character country code)
<i>callbackMethod</i>	char	1 char	<b>T</b> = The <i>appRepTelephone</i> number will be called to communicate a callback verification code which will be used to confirm the identity of the Applicant Representative. <b>L</b> = A letter, containing a callback verification code, will be posted to the Applicant Representative.	Callback method for verification of Applicant Representative's identity
<i>isAppRepValidated</i>	char	1 char	<b>Y</b> = The Web Host Reseller has verified that the Applicant Representative's contact details are legitimate, using a data source other than the Applicant. (Only Web Host Resellers with sufficient RA privileges may specify <b>Y</b> ). <b>N</b> = Comodo will verify the Applicant Representative's contact details before performing the callback using the method specified by <i>callbackMethod</i> .	Who will verify the Applicant Representative's contact details before the callback is performed?
<i>isCallbackCompleted</i>	char	1 char	<b>Y</b> = The Web Host has completed the callback and verified the identity of the Applicant Representative. (Only Web Host Resellers with sufficient RA privileges may specify <b>Y</b> . If <i>isCallbackCompleted</i> = <b>Y</b> is specified, then <i>isAppRepValidated</i> = <b>Y</b> must also be specified). <b>N</b> = Comodo will perform the callback using the method specified by <i>callbackMethod</i> .	Who will perform the callback?
<i>showCertificateState</i>	char	1 char	<b>Y</b> or <b>N</b> .	If this value is set to <b>Y</b> , the state of the SSL certificate generated by the order is also part of the resultSet.
<i>omitAdditionalFQDN</i> (only relevant for single-domain SSL certificates)	char	1 char	<b>N</b> = Comodo will add an additional FQDN, either for www.<domain> (if the certificate was requested for <domain>) or for <domain> (if the certificate was requested for www.<domain>). <b>Y</b> = An additional FQDN will not be added.	If omitted, its value defaults to <b>N</b> .
<i>doAutoOV</i>	char	1 char	<b>Y</b> = Comodo will initiate an automated process of Organisational validation for end user's Organisation. <b>N</b> = Comodo will not initiate auto-validation process.	If omitted, its value defaults to <b>N</b> .

## 2. Response (when *responseFormat=0*, the default)

### 2.1 MIME Type and first line

Line	Possible Value(s)
<i>Mime-Type</i>	text/plain
Line 1: <i>Status Code</i>	<b>1</b> = Successful, Payment Required <b>0</b> = Successful <b>-1</b> = Request was not made over https! <b>-2</b> = 'xxxx' is an unrecognised argument! <b>-3</b> = The 'xxxx' argument is missing! <b>-4</b> = The value of the 'xxxx' argument is invalid! <b>-5</b> = The CSR's Common Name may NOT contain a wildcard! <b>-6</b> = The CSR's Common Name MUST contain ONE wildcard! <b>-7</b> = 'xx' is not a valid ISO-3166 country! <b>-8</b> = The CSR is missing a required field! <b>-9</b> = The CSR is not valid Base-64 data! <b>-10</b> = The CSR cannot be decoded! <b>-11</b> = The CSR uses an unsupported algorithm! <b>-12</b> = The CSR has an invalid signature! <b>-13</b> = The CSR uses an unsupported key size! <b>-14</b> = An unknown error occurred! <b>-15</b> = Not enough credit! <b>-16</b> = Permission denied! Contact Comodo Support to have your account enabled for !AutoApplySSL <b>-17</b> = Request used GET rather than POST! <b>-18</b> = The CSR's Common Name may not be a Fully-Qualified Domain Name! <b>-19</b> = The CSR's Common Name may not be an Internet-accessible IP Address! <b>-35</b> = The CSR's Common Name may not be an IP Address! <b>-40</b> = The CSR uses a key that is believed to have been compromised! <b>-55</b> = This Request Token is not unique!

NOTE: Whether **0** or **1** is returned for Successful orders depends on how your account is configured with Comodo. Usually, you will take payment from your customer and Comodo will debit your account funds when you place the order. However, in special circumstances it can be arranged for Comodo to take payment from your customer on your behalf.

Note: We reserve the right to define additional error codes/messages in the future.

#### 2.2.1 If *Status Code* < 0

Line	Possible Value(s)
Line 2: <i>Error Message</i>	See <i>Status Code</i> Possible Value(s)

#### 2.2.2 If *Status Code* >= 0

Line	Possible Value(s)
Line 2: <i>Order Number</i>	Integer
Line 3: (If <i>Status Code</i> = 0): <i>Amount Debited</i> (If <i>Status Code</i> = 1): <i>Amount Required (not including UK VAT, if required)</i>	Amount, in your account's native currency, without a currency symbol (e.g. \$)
Line 4: <i>Expected Delivery Time</i>	Expected number of hours before this order will be completed: <b>0</b> – this order has been automatically validated and the certificate has been issued immediately. THIS IS NOT YET IMPLEMENTED. <b>1</b> – this order has been automatically validated and the certificate will be issued as soon as possible (i.e. almost definitely within the next hour). <b>24</b> – this order, although marked as validated by the Web Host, is awaiting final approval by an account manager. <b>48</b> – this order was not marked as validated by the Web Host and could not be automatically validated by Comodo: the 48 hours starts when Comodo has received various documents from the end-user.
Line 5: <i>SSL Certificate ID</i> (up to 16 digits; only returned if <i>showCertificateID=Y</i> )	The internal Certificate ID of the SSL certificate purchased by this order. <b>240</b> – this order is for an EV Certificate. The validation process generally takes a lot longer for EV, compared to other SSL Certificates.
Line 5 or 6: <i>SSL Certificate State</i> (only returned if <i>showCertificateState=Y</i> )	The status of the SSL certificate purchased by this order.
Line 5, 6 or 7: <i>Unique Value</i> (only returned if a <i>uniqueValue</i> parameter was passed in to this API, or if a <i>uniqueValue</i> has been generated by Comodo for this order)	A unique alphanumeric value up to 20 characters long.



### 3. Response (when *responseFormat=1*)

Most of Comodo's newer APIs always use URL-encoding for responses. !AutoApplySSL can now be instructed to return responses in the same format, simply by specifying *responseFormat=1* in the request.

#### 3.1 MIME Type

Line	Possible Value(s)
<i>Mime-Type</i>	application/x-www-form-urlencoded

#### 3.2 Parameters

**bold** when always present.

*italic* when not always present.

Name	Possible Value(s)
<b>errorCode</b>	An integer (see section 2.1 - "Status Code" - for the possible values).
<i>errorMessage</i>	A string (see section 2.1 - "Status Code" - for the possible values). This parameter is not present when <i>errorCode=0</i> .
<i>orderNumber</i>	An integer. This parameter is only present when <i>errorCode=0</i> .
<i>totalCost</i>	Amount, in your account's native currency, without a currency symbol (e.g. \$). This parameter is only present when <i>errorCode=0</i> .
<i>expectedDeliveryTime</i>	Expected number of hours before this order will be completed (0, 1, 24, 48 or 240). This parameter is only present when <i>errorCode=0</i> .
<i>certificateID</i>	The internal Certificate ID of the SSL certificate purchased by this order. This parameter is only present when <i>showCertificateID=Y</i> and <i>errorCode=0</i> .
<i>certificateStatus</i>	The status of the SSL certificate purchased by this order. This parameter is only present when <i>showCertificateState=Y</i> and <i>errorCode=0</i> .
<i>uniqueValue</i>	A unique alphanumeric value up to 20 characters long. Only returned if a <i>uniqueValue</i> parameter was passed in to this API, or if a <i>uniqueValue</i> has been generated by Comodo for this order.