**SignData(**“”**, kalkanFlags, inData, ref outSign);**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| № | Входные данные - **inData** | InFlags |  | № | Выходные данные - **outSign** | outFlags |
| 1 | “Hello World”  **Тип - текст** | - | 1 | -----BEGIN CMS----- MIII8gYJKoZIhvcNAQc…….LPdosF/sbMMrE= -----END CMS-----  **Тип – CMS в формате PEM** | **KC\_OUT\_PEM** |
| 2 | “SGVsbG8gV29ybGQ=”  **Тип - Base64** | **KC\_IN\_ BASE64** | 2 | MIII8gYJKoZIhvcNAQcCoII…….ILPdosF/sbMMrE=  **Тип - CMS в формате BASE64** | **KC\_OUT\_BASE64** |
| 3 | “D:\Temp\ example.pdf”  **Тип - File** | **KC\_IN\_ FILE** | 3 | Бинарные данные  **Тип - CMS в формате DER** | **KC\_OUT\_DER** |

CMS with attached data**:** kalkanFlags = **KC\_SIGN\_CMS +** InFlags **+** outFlags;

CMS with detached data**:** kalkanFlags = **KC\_SIGN\_CMS +** InFlags **+** outFlags **+ KC\_ DETACHED\_DATA**;

DraftSign**:** kalkanFlags = **KC\_SIGN\_DRAFT +** InFlags **+** outFlags;

**Пример приведен в приложении №1**

**Multi-Sign**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| № | Входные данные | | InFlags |  | № | Выходные данные - **outSign** | outFlags |
| **inData** | **outSign** |
| 1 | - | -----BEGIN CMS----MIII8gYJKoZIhvcNAQcC……..  Dyg/X5VR3ZKQptzg=-----END CMS-----  **Тип – CMS в формате PEM** | **KC\_IN\_ PEM** | 1 | -----BEGIN CMS----- MIII8gYJKoZIhvcNAQcCoII……. LPdosF/sbMMrE= -----END CMS-----  **Тип – CMS в формате PEM** | **KC\_OUT\_PEM** |
| 2 | MIIOsgYJKo1…r8gK1NjKmBQGEjS/82jdwA=  **Тип - CMS в формате BASE64** | **KC\_OUT\_BASE64** |

CMS with attached data**:** kalkanFlags = **KC\_SIGN\_CMS +** InFlags **+** outFlags;

CMS with detached data**:** kalkanFlags = **KC\_SIGN\_CMS +** InFlags **+** outFlags **+ KC\_ DETACHED\_DATA**;

**Пример приведен в приложении №2**

*Если необходимо установить штамп времени*(**TSP**): kalkanFlags += **KC\_WITH\_TIMESTAMP; (Только для CMS-подписи)**

**VerifyData(**" "**, kalkanFlags,** 0**, inData, inSign, out outData,** out outVerifyInfo, out outCert**);**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| № | Входные данные - **inSign** | InFlags |  | № | Выходные данные - **outData** | outFlags |
| 1 | -----BEGIN CMS----- MIII8gYJKoZIhvcNAQcCoII……. LPdosF/sbMMrE= -----END CMS-----  **Тип – CMS в формате PEM** | **KC\_IN\_PEM** | 1 | “Hello World”  **Тип - текст** | **KC\_OUT\_PEM** |
| 2 | MIII8gYJKoZIhvcNAQcCoII…….ILPdosF/sbMMrE=  **Тип - CMS в формате BASE64** | **KC\_IN\_ BASE64** | 2 | “SGVsbG8gV29ybGQ=”  **Тип - Base64** | **KC\_OUT\_BASE64** |
| 3 | “D:\Temp\ example.pdf”  **Тип – pdf c CMS подписью** | **KC\_IN\_ FILE+ KC\_IN\_DER** | 3 | Бинарные данные  **Тип - DER** | **KC\_OUT\_DER** |

*Если**CMS**со вложенными данными* **(attached data),** *то* **inData = "".**

*Если**же**CMS**без вложенных данных* **(detached data),** *то* **inData = "**Hello World**" –** *подписанные данные.*

*Если при проверке подписи выходит ошибка* - **0x08F00042**, *то сертификат просрочен*. *Для игнорирования данной ошибки следует добавить флаг:*  kalkanFlags **+= KC\_NOCHECKCERTTIME**

kalkanFlags = **KC\_SIGN\_CMS +** InFlags **+** outFlags;

*CMS with detached data***: kalkanFlags** = **KC\_SIGN\_CMS +** InFlags **+** outFlags **+ KC\_ DETACHED\_DATA**;

*DraftSign***: kalkanFlags** = **KC\_SIGN\_DRAFT +** InFlags **+** outFlags;

**Пример приведен в приложении №3**

**Приложение №1**

|  |  |  |  |
| --- | --- | --- | --- |
| № | Входные данные - **inData** | **kalkanFlags** | Выходные данные - **outData** |
| 1 | “Hello World”  **Тип - текст** | **KC\_OUT\_BASE64 + KC\_SIGN\_DRAFT** | TDBKUc+pOLt1COQevNAWQXaowCMODS7jLngLUVCbkUxTVTWs8qgY22G3C1xCi4u7ZkTpMPXTTks2XN8+oiF0TLCBKzUSPQ5gzP73isDbeT3SO0fH2AGSMlQ/M6O6xt0uumcs27vh2ijhvPHueSlA8e1Zb42X5A+JJmEKb98lOhZYIbj9gh5BlYa8STca8s6zS57gfMmEPP3PVrzeZPPuk7T4MmcFsQ8NI6uhalLsm9VP5WEjGsjCrJDPpa3554XUU5xuyQGeef/bTutIwT/aY0mBL5O3pi7bwwZnEGFMWFM/xr255wiSgBz2FwVyetJVIwbQVnnWgcPFPy8q7QD2tA== |
| 2 | “SGVsbG8gV29ybGQ=”  **Тип - Base64** | **KC\_IN\_ BASE64 + KC\_OUT\_BASE64 + KC\_SIGN\_DRAFT** | TDBKUc+pOLt1COQevNAWQXaowCMODS7jLngLUVCbkUxTVTWs8qgY22G3C1xCi4u7ZkTpMPXTTks2XN8+oiF0TLCBKzUSPQ5gzP73isDbeT3SO0fH2AGSMlQ/M6O6xt0uumcs27vh2ijhvPHueSlA8e1Zb42X5A+JJmEKb98lOhZYIbj9gh5BlYa8STca8s6zS57gfMmEPP3PVrzeZPPuk7T4MmcFsQ8NI6uhalLsm9VP5WEjGsjCrJDPpa3554XUU5xuyQGeef/bTutIwT/aY0mBL5O3pi7bwwZnEGFMWFM/xr255wiSgBz2FwVyetJVIwbQVnnWgcPFPy8q7QD2tA== |
| 3 | “Hello World”  **Тип - текст** | **KC\_OUT\_PEM + KC\_SIGN\_CMS +  KC\_WITH\_TIMESTAMP** | -----BEGIN CMS-----  MIIMLgYJKoZIhvcNAQcCoIIMHzCCDBsCAQExDjAMBggqgw4DCgEDAQUAMBoGCSqG  SIb3DQEHAaANBAtIZWxsbyBXb3JsZKCCBEIwggQ+MIID6KADAgECAhQ4wVKBdBwX  9PJg6IQiDgzLWnLG9TANBgkqgw4DCgEBAQIFADBTMQswCQYDVQQGEwJLWjFEMEIG  A1UEAww70rDQm9Ci0KLQq9KaINCa0KPTmNCb0JDQndCU0KvQoNCj0KjQqyDQntCg  0KLQkNCb0KvSmiAoR09TVCkwHhcNMjAwMTMxMTIyNDU0WhcNMjEwMTMwMTIyNDU0  WjCB6TEeMBwGA1UEAwwV0KLQldCh0KLQntCSINCi0JXQodCiMRUwEwYDVQQEDAzQ  otCV0KHQotCe0JIxGDAWBgNVBAUTD0lJTjEyMzQ1Njc4OTAxMTELMAkGA1UEBhMC  S1oxHDAaBgNVBAcME9Cd0KPQoC3QodCj0JvQotCQ0J0xHDAaBgNVBAgME9Cd0KPQ  oC3QodCj0JvQotCQ0J0xGDAWBgNVBAoMD9CQ0J4gItCi0JXQodCiIjEYMBYGA1UE  CwwPQklOMTIzNDU2Nzg5MDIxMRkwFwYDVQQqDBDQotCV0KHQotCe0JLQmNCnMGww  JQYJKoMOAwoBAQEBMBgGCiqDDgMKAQEBAQEGCiqDDgMKAQMBAQADQwAEQPt7+Toy  zfr2ET3VNkb2oDF+Fj0Hqw5oGMEk/g+hH4OwTAofNsIO2XSBjN6TUukmFPtx9jOt  6DI4eJvOLJ2sHJKjggHrMIIB5zAOBgNVHQ8BAf8EBAMCBsAwKAYDVR0lBCEwHwYI  KwYBBQUHAwQGCCqDDgMDBAECBgkqgw4DAwQBAgEwDwYDVR0jBAgwBoAEW2pz6TAd  BgNVHQ4EFgQUF2KDAKdW1I2OibmNdsK3QBY2W7YwXgYDVR0gBFcwVTBTBgcqgw4D  AwIBMEgwIQYIKwYBBQUHAgEWFWh0dHA6Ly9wa2kuZ292Lmt6L2NwczAjBggrBgEF  BQcCAjAXDBVodHRwOi8vcGtpLmdvdi5rei9jcHMwWAYDVR0fBFEwTzBNoEugSYYi  aHR0cDovL2NybC5wa2kuZ292Lmt6L25jYV9nb3N0LmNybIYjaHR0cDovL2NybDEu  cGtpLmdvdi5rei9uY2FfZ29zdC5jcmwwXAYDVR0uBFUwUzBRoE+gTYYkaHR0cDov  L2NybC5wa2kuZ292Lmt6L25jYV9kX2dvc3QuY3JshiVodHRwOi8vY3JsMS5wa2ku  Z292Lmt6L25jYV9kX2dvc3QuY3JsMGMGCCsGAQUFBwEBBFcwVTAvBggrBgEFBQcw  AoYjaHR0cDovL3BraS5nb3Yua3ovY2VydC9uY2FfZ29zdC5jZXIwIgYIKwYBBQUH  MAGGFmh0dHA6Ly9vY3NwLnBraS5nb3Yua3owDQYJKoMOAwoBAQECBQADQQC1dk8s  Y7e1KSB63hGhEUfSLLbghaFMpjgrotAjQfUhKFs5xSipJA1J0SvUGtb/RRmlF5IG  fsp5wdz0Q6F7ym+8MYIHojCCB54CAQEwazBTMQswCQYDVQQGEwJLWjFEMEIGA1UE  Aww70rDQm9Ci0KLQq9KaINCa0KPTmNCb0JDQndCU0KvQoNCj0KjQqyDQntCg0KLQ  kNCb0KvSmiAoR09TVCkCFDjBUoF0HBf08mDohCIODMtacsb1MAwGCCqDDgMKAQMB  BQCggaIwGAYJKoZIhvcNAQkDMQsGCSqGSIb3DQEHATAcBgkqhkiG9w0BCQUxDxcN  MjAwMjA1MDYzOTI5WjAvBgkqhkiG9w0BCQQxIgQgE90Xx3rvbBdtODks3w6eEhqk  SeHKRo9Y62BZWaVxSy8wNwYLKoZIhvcNAQkQAi8xKDAmMCQwIgQgoz+VLBBNKyhP  UZ1HW3HiiYQrYvUEmdcimY57pS/qByAwDQYJKoMOAwoBAQEBBQAEQIm9tuIR1dCQ  MtDe/CeaBwzh42T7qrFwfJTGHdKNzA2lSgdL1MlHC2Fe7IvZ0By0ThinHaLpO0Zh  ePv1F+Hf/iahggYmMIIGIgYLKoZIhvcNAQkQAg4xggYRMIIGDQYJKoZIhvcNAQcC  oIIF/jCCBfoCAQMxDjAMBggqgw4DCgEDAQUAMIGEBgsqhkiG9w0BCRABBKB1BHMw  cQIBAQYIKoMOAwMCBgEwMDAMBggqgw4DCgEDAQUABCDZRuHwrlfl6ESOU6p0XHsf  UIJhkMkJDMN2onBhmfJsAAIUVL23mv8zjR9uectDynqwHFWb9U0YDzIwMjAwMjA1  MDY0MDE0WgIJAK1onLDnO97loIID6jCCA+YwggOQoAMCAQICFFWSMI9yDWj/ydlN  47Rqas53D9HJMA0GCSqDDgMKAQEBAgUAMFMxCzAJBgNVBAYTAktaMUQwQgYDVQQD  DDvSsNCb0KLQotCr0pog0JrQo9OY0JvQkNCd0JTQq9Cg0KPQqNCrINCe0KDQotCQ  0JvQq9KaIChHT1NUKTAeFw0xOTEyMTIwNTIyMDVaFw0yMjEyMTEwNTIyMDVaMIIB  EjEUMBIGA1UEAwwLVFNBIFNFUlZJQ0UxGDAWBgNVBAUTD0lJTjc2MTIzMTMwMDMx  MzELMAkGA1UEBhMCS1oxHDAaBgNVBAcME9Cd0KPQoC3QodCj0JvQotCQ0J0xHDAa  BgNVBAgME9Cd0KPQoC3QodCj0JvQotCQ0J0xfTB7BgNVBAoMdNCQ0JrQptCY0J7Q  ndCV0KDQndCe0JUg0J7QkdCp0JXQodCi0JLQniAi0J3QkNCm0JjQntCd0JDQm9Cs  0J3Qq9CVINCY0J3QpNCe0KDQnNCQ0KbQmNCe0J3QndCr0JUg0KLQldCl0J3QntCb  0J7Qk9CY0JgiMRgwFgYDVQQLDA9CSU4wMDA3NDAwMDA3MjgwbDAlBgkqgw4DCgEB  AQEwGAYKKoMOAwoBAQEBAQYKKoMOAwoBAwEBAANDAARA7+2hUwL6yz3TtRmGj1zF  crRuDb/F15QaxBsSf2nkCgEF9G5HMrfCyet6qMIZKhcRp7ZLSlZvvxfV5Y6h2nGH  MqOCAWkwggFlMBYGA1UdJQEB/wQMMAoGCCsGAQUFBwMIMA8GA1UdIwQIMAaABFtq  c+kwHQYDVR0OBBYEFO2P/eayaKY5p0MWNEhQ3TOSAppkMFgGA1UdHwRRME8wTaBL  oEmGImh0dHA6Ly9jcmwucGtpLmdvdi5rei9uY2FfZ29zdC5jcmyGI2h0dHA6Ly9j  cmwxLnBraS5nb3Yua3ovbmNhX2dvc3QuY3JsMFwGA1UdLgRVMFMwUaBPoE2GJGh0  dHA6Ly9jcmwucGtpLmdvdi5rei9uY2FfZF9nb3N0LmNybIYlaHR0cDovL2NybDEu  cGtpLmdvdi5rei9uY2FfZF9nb3N0LmNybDBjBggrBgEFBQcBAQRXMFUwLwYIKwYB  BQUHMAKGI2h0dHA6Ly9wa2kuZ292Lmt6L2NlcnQvbmNhX2dvc3QuY2VyMCIGCCsG  AQUFBzABhhZodHRwOi8vb2NzcC5wa2kuZ292Lmt6MA0GCSqDDgMKAQEBAgUAA0EA  9Ca5fBDDygwfCxDFSXxuIG9ppdJVLyI4cJjm+HmqpNdYUt7c/nGqDf1PwNGU+M+a  G7j1h8NZuyUjhGx6uFtkZDGCAW4wggFqAgEBMGswUzELMAkGA1UEBhMCS1oxRDBC  BgNVBAMMO9Kw0JvQotCi0KvSmiDQmtCj05jQm9CQ0J3QlNCr0KDQo9Co0Ksg0J7Q  oNCi0JDQm9Cr0pogKEdPU1QpAhRVkjCPcg1o/8nZTeO0amrOdw/RyTAMBggqgw4D  CgEDAQUAoIGYMBoGCSqGSIb3DQEJAzENBgsqhkiG9w0BCRABBDAcBgkqhkiG9w0B  CQUxDxcNMjAwMjA1MDY0MDE0WjArBgsqhkiG9w0BCRACDDEcMBowGDAWBBR7gM+q  yuxNgPDQbpw3HTYl1EVkbTAvBgkqhkiG9w0BCQQxIgQgmDl4meIZTOX3DhyF6aVX  ZbaabacCJkfc0Rkbf4MO3KgwDQYJKoMOAwoBAQECBQAEQIPYRTKc6BEb9v+8zHuC  Ctrm7Z0yUWAVj6GP6Bgj2o0vWth+EGLZW8m8DXeSrZwkvcl4otFF68nyULlagkRZ  H2Y=  -----END CMS----- |
| 4 | “Hello World”  **Тип - текст** | **KC\_OUT\_PEM + KC\_SIGN\_CMS +  KC\_ DETACHED\_DATA** | -----BEGIN CMS-----  MIIF9QYJKoZIhvcNAQcCoIIF5jCCBeICAQExDjAMBggqgw4DCgEDAQUAMAsGCSqG  SIb3DQEHAaCCBEIwggQ+MIID6KADAgECAhQ4wVKBdBwX9PJg6IQiDgzLWnLG9TAN  Bgkqgw4DCgEBAQIFADBTMQswCQYDVQQGEwJLWjFEMEIGA1UEAww70rDQm9Ci0KLQ  q9KaINCa0KPTmNCb0JDQndCU0KvQoNCj0KjQqyDQntCg0KLQkNCb0KvSmiAoR09T  VCkwHhcNMjAwMTMxMTIyNDU0WhcNMjEwMTMwMTIyNDU0WjCB6TEeMBwGA1UEAwwV  0KLQldCh0KLQntCSINCi0JXQodCiMRUwEwYDVQQEDAzQotCV0KHQotCe0JIxGDAW  BgNVBAUTD0lJTjEyMzQ1Njc4OTAxMTELMAkGA1UEBhMCS1oxHDAaBgNVBAcME9Cd  0KPQoC3QodCj0JvQotCQ0J0xHDAaBgNVBAgME9Cd0KPQoC3QodCj0JvQotCQ0J0x  GDAWBgNVBAoMD9CQ0J4gItCi0JXQodCiIjEYMBYGA1UECwwPQklOMTIzNDU2Nzg5  MDIxMRkwFwYDVQQqDBDQotCV0KHQotCe0JLQmNCnMGwwJQYJKoMOAwoBAQEBMBgG  CiqDDgMKAQEBAQEGCiqDDgMKAQMBAQADQwAEQPt7+Toyzfr2ET3VNkb2oDF+Fj0H  qw5oGMEk/g+hH4OwTAofNsIO2XSBjN6TUukmFPtx9jOt6DI4eJvOLJ2sHJKjggHr  MIIB5zAOBgNVHQ8BAf8EBAMCBsAwKAYDVR0lBCEwHwYIKwYBBQUHAwQGCCqDDgMD  BAECBgkqgw4DAwQBAgEwDwYDVR0jBAgwBoAEW2pz6TAdBgNVHQ4EFgQUF2KDAKdW  1I2OibmNdsK3QBY2W7YwXgYDVR0gBFcwVTBTBgcqgw4DAwIBMEgwIQYIKwYBBQUH  AgEWFWh0dHA6Ly9wa2kuZ292Lmt6L2NwczAjBggrBgEFBQcCAjAXDBVodHRwOi8v  cGtpLmdvdi5rei9jcHMwWAYDVR0fBFEwTzBNoEugSYYiaHR0cDovL2NybC5wa2ku  Z292Lmt6L25jYV9nb3N0LmNybIYjaHR0cDovL2NybDEucGtpLmdvdi5rei9uY2Ff  Z29zdC5jcmwwXAYDVR0uBFUwUzBRoE+gTYYkaHR0cDovL2NybC5wa2kuZ292Lmt6  L25jYV9kX2dvc3QuY3JshiVodHRwOi8vY3JsMS5wa2kuZ292Lmt6L25jYV9kX2dv  c3QuY3JsMGMGCCsGAQUFBwEBBFcwVTAvBggrBgEFBQcwAoYjaHR0cDovL3BraS5n  b3Yua3ovY2VydC9uY2FfZ29zdC5jZXIwIgYIKwYBBQUHMAGGFmh0dHA6Ly9vY3Nw  LnBraS5nb3Yua3owDQYJKoMOAwoBAQECBQADQQC1dk8sY7e1KSB63hGhEUfSLLbg  haFMpjgrotAjQfUhKFs5xSipJA1J0SvUGtb/RRmlF5IGfsp5wdz0Q6F7ym+8MYIB  eDCCAXQCAQEwazBTMQswCQYDVQQGEwJLWjFEMEIGA1UEAww70rDQm9Ci0KLQq9Ka  INCa0KPTmNCb0JDQndCU0KvQoNCj0KjQqyDQntCg0KLQkNCb0KvSmiAoR09TVCkC  FDjBUoF0HBf08mDohCIODMtacsb1MAwGCCqDDgMKAQMBBQCggaIwGAYJKoZIhvcN  AQkDMQsGCSqGSIb3DQEHATAcBgkqhkiG9w0BCQUxDxcNMjAwMjA1MDY0MjM4WjAv  BgkqhkiG9w0BCQQxIgQgE90Xx3rvbBdtODks3w6eEhqkSeHKRo9Y62BZWaVxSy8w  NwYLKoZIhvcNAQkQAi8xKDAmMCQwIgQgoz+VLBBNKyhPUZ1HW3HiiYQrYvUEmdci  mY57pS/qByAwDQYJKoMOAwoBAQEBBQAEQBs/ffxZRN/TUY2Hh+2pjo7SmX5+wWR3  IXZWeRkjnvErqnvoJxPqyhupGaVv/L/fPOLcHmFOHkqa3QZ2VMiBuqU=  -----END CMS----- |
| 5 | “SGVsbG8gV29ybGQ=”  **Тип - Base64** | **KC\_IN\_ BASE64 + KC\_OUT\_BASE64 + KC\_SIGN\_CMS +  KC\_ DETACHED\_DATA + KC\_WITH\_TIMESTAMP** |  |
| 6 | “D:\Temp\ example.pdf”  **Тип – File** | **KC\_IN\_ FILE + KC\_OUT\_BASE64 + KC\_SIGN\_CMS** |  |

**Приложение №2**

|  |  |  |  |
| --- | --- | --- | --- |
| Входные данные | | **kalkanFlags** | Выходные данные - **outSign** |
| **inData** | **outSign** |
| - | -----BEGIN CMS-----  MIII8gYJKoZIhvcNAQcCoIII4zCCCN8CAQExDTALBglghkgBZQMEAgEwGgYJKoZI  hvcNAQcBoA0EC0hlbGxvIFdvcmxkoIIGcTCCBm0wggRVoAMCAQICFBJrYt7hXLVq  8p9OHMEUh0hZX9BMMA0GCSqGSIb3DQEBCwUAMFIxCzAJBgNVBAYTAktaMUMwQQYD  VQQDDDrSsNCb0KLQotCr0pog0JrQo9OY0JvQkNCd0JTQq9Cg0KPQqNCrINCe0KDQ  otCQ0JvQq9KaIChSU0EpMB4XDTIwMDEzMTEyMjI1OVoXDTIxMDEzMDEyMjI1OVow  ga8xIjAgBgNVBAMMGdCi0JXQodCi0KLQntCSINCi0JXQodCi0KIxFzAVBgNVBAQM  DtCi0JXQodCi0KLQntCSMRgwFgYDVQQFEw9JSU4xMjM0NTY3ODkwMTIxCzAJBgNV  BAYTAktaMRUwEwYDVQQHDAzQkNCb0JzQkNCi0KsxFTATBgNVBAgMDNCQ0JvQnNCQ  0KLQqzEbMBkGA1UEKgwS0KLQldCh0KLQotCe0JLQmNCnMIIBIjANBgkqhkiG9w0B  AQEFAAOCAQ8AMIIBCgKCAQEAiDPNsqD1i/rZAktCvTJyKy3uw2l3B4znJhLnQv3m  /Ax2VoNhmqWlcfgArLPhshigLBnfC2zBQMlmfV7bSSODT+Jfe8XZxwmkRZmFPofx  f6ANvz3it5cMmMauyRC2zq5nKyCAf3CUwwl/p3WMf8R29bfl2JL4NMfQHrc8CX6V  1Q0sGMQ1On8JPl9wdGqAE5YomqX6dQPeRTmm/90rrPHAsf05SHDoq2L5jgdN0cg8  VQ9oP/iocT450a6daoB9gHNx5bkRfFqiC/0Ws7I7JhiRQg+MME6c2d1Mj13jlHA3  9H5EtUtmF9EhcB9aeTSdi/coHVdHRmTNkLjR5yUlTnHN7wIDAQABo4IB2zCCAdcw  DgYDVR0PAQH/BAQDAgbAMB0GA1UdJQQWMBQGCCsGAQUFBwMEBggqgw4DAwQBATAP  BgNVHSMECDAGgARbanQRMB0GA1UdDgQWBBR0EkRp/hlbSXTTZC3VA2E4rA0oVzBe  BgNVHSAEVzBVMFMGByqDDgMDAgMwSDAhBggrBgEFBQcCARYVaHR0cDovL3BraS5n  b3Yua3ovY3BzMCMGCCsGAQUFBwICMBcMFWh0dHA6Ly9wa2kuZ292Lmt6L2NwczBW  BgNVHR8ETzBNMEugSaBHhiFodHRwOi8vY3JsLnBraS5nb3Yua3ovbmNhX3JzYS5j  cmyGImh0dHA6Ly9jcmwxLnBraS5nb3Yua3ovbmNhX3JzYS5jcmwwWgYDVR0uBFMw  UTBPoE2gS4YjaHR0cDovL2NybC5wa2kuZ292Lmt6L25jYV9kX3JzYS5jcmyGJGh0  dHA6Ly9jcmwxLnBraS5nb3Yua3ovbmNhX2RfcnNhLmNybDBiBggrBgEFBQcBAQRW  MFQwLgYIKwYBBQUHMAKGImh0dHA6Ly9wa2kuZ292Lmt6L2NlcnQvbmNhX3JzYS5j  ZXIwIgYIKwYBBQUHMAGGFmh0dHA6Ly9vY3NwLnBraS5nb3Yua3owDQYJKoZIhvcN  AQELBQADggIBAD3jfESi1xkZnX41EjbZ4lyg8SZSNTnTei9rhW9XoqQgjB9y11za  BspIvps13fHr48cZHfbG/PKEj0wSLD+/t0uPbgxzW4QJJ4IT+e/dpjepOUJvOfes  GOjCfCaEG4VvT/l9kNeyNQPiFEgCn+kHYYPnVdd/mh6jh/xAzwL6Jcf336QorUM6  7xq7kpX19u+mD4TUTGLvL8DrU6EvTMjFc3OfMIjY0+vplwyoBGIwey3+ifKE+K7o  f+hAbc7xLEKE2Ik+9r5tPvY33Oiubo6fN525BeTBAJDNJCy3j+d4jz3nQjzBpRio  Z+7TqPN/3mBknJOJOVdCq9/URwRYqlWXpPcIe8y/QfOgTT5jksyKpWJoCyiNzNOP  OLR1O0MacTuRaAotNWE48QbDJ4dW0z0gIhlDPCfaoXG5dhUEbqaYK15QzQhI3QvR  qZyU8GMyuzoysN+bdSXX6nHyhtwTSWFE3RPvb0L58rn0eOsIw+tthOojpR3bbsqQ  ZtKDDjqnS8cvP1KDGrVl1Af5YeEatKdzrGAIIRUBpnJnt64OglrLWr0hcSgCxkzz  BUhv0F7gPnHlBKXIuUFjvoMf/wHVOLGNz9epaTGshcDULtSwHJqAQI4NcCEZCc1q  DBroEGe7ifsK+vB3ECRDR1u2ndLUXUKv4gL/RAoOUcWotb/6KnXKojRDMYICODCC  AjQCAQEwajBSMQswCQYDVQQGEwJLWjFDMEEGA1UEAww60rDQm9Ci0KLQq9KaINCa  0KPTmNCb0JDQndCU0KvQoNCj0KjQqyDQntCg0KLQkNCb0KvSmiAoUlNBKQIUEmti  3uFctWryn04cwRSHSFlf0EwwCwYJYIZIAWUDBAIBoIGiMBgGCSqGSIb3DQEJAzEL  BgkqhkiG9w0BBwEwHAYJKoZIhvcNAQkFMQ8XDTIwMDIxODEwMjk1NlowLwYJKoZI  hvcNAQkEMSIEIKWRptQL9CBASgEXM8+3sZDWLGW/C82jK1eyd9mtnxRuMDcGCyqG  SIb3DQEJEAIvMSgwJjAkMCIEINi+FWMIC1b8Kzv3fwg48yZrMDaDyFdQ7QHfrCcv  YaS+MA0GCSqGSIb3DQEBAQUABIIBAG9L8gqIPDHKQ5YtFBJzly6gv99Dh33LA9MV  HVlZ4H17Fx6T5SNCwwZIWJBqCs6hgpmrP4MHJX8EeNQPMAldFNou7ilOQENoSF/n  P8pNHEfN8eMNe+CzFmYatA8Ndnz4gibdiCttopALAPDlXp2UAC8q7gdEAxj+0qLW  j2mc14bZPGgPWfGLar5vAht3bJRGyTDx+G2+s/Lau0y+RBv2d+ldE81iLHkw10kT  vTVk2h/wOOXWo5QCKHfnONbdzqTJ2nvCZIXdTtf1ViN7nMOK+YZJVGSXo/BR09/9  IEJuuFQjMWXlgkvpDbBY3qYjrgvPfap0yd7vO1dTTLGCGVPZHIo=  -----END CMS----- | **KC\_IN\_ PEM + KC\_OUT\_BASE64 + KC\_SIGN\_CMS** |  |
| Hello World | -----BEGIN CMS-----  MIII4wYJKoZIhvcNAQcCoIII1DCCCNACAQExDTALBglghkgBZQMEAgEwCwYJKoZI  hvcNAQcBoIIGcTCCBm0wggRVoAMCAQICFBJrYt7hXLVq8p9OHMEUh0hZX9BMMA0G  CSqGSIb3DQEBCwUAMFIxCzAJBgNVBAYTAktaMUMwQQYDVQQDDDrSsNCb0KLQotCr  0pog0JrQo9OY0JvQkNCd0JTQq9Cg0KPQqNCrINCe0KDQotCQ0JvQq9KaIChSU0Ep  MB4XDTIwMDEzMTEyMjI1OVoXDTIxMDEzMDEyMjI1OVowga8xIjAgBgNVBAMMGdCi  0JXQodCi0KLQntCSINCi0JXQodCi0KIxFzAVBgNVBAQMDtCi0JXQodCi0KLQntCS  MRgwFgYDVQQFEw9JSU4xMjM0NTY3ODkwMTIxCzAJBgNVBAYTAktaMRUwEwYDVQQH  DAzQkNCb0JzQkNCi0KsxFTATBgNVBAgMDNCQ0JvQnNCQ0KLQqzEbMBkGA1UEKgwS  0KLQldCh0KLQotCe0JLQmNCnMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKC  AQEAiDPNsqD1i/rZAktCvTJyKy3uw2l3B4znJhLnQv3m/Ax2VoNhmqWlcfgArLPh  shigLBnfC2zBQMlmfV7bSSODT+Jfe8XZxwmkRZmFPofxf6ANvz3it5cMmMauyRC2  zq5nKyCAf3CUwwl/p3WMf8R29bfl2JL4NMfQHrc8CX6V1Q0sGMQ1On8JPl9wdGqA  E5YomqX6dQPeRTmm/90rrPHAsf05SHDoq2L5jgdN0cg8VQ9oP/iocT450a6daoB9  gHNx5bkRfFqiC/0Ws7I7JhiRQg+MME6c2d1Mj13jlHA39H5EtUtmF9EhcB9aeTSd  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SAFlAwQCAaCBojAYBgkqhkiG9w0BCQMxCwYJKoZIhvcNAQcBMBwGCSqGSIb3DQEJ  BTEPFw0yMDAyMTgxMTExMTdaMC8GCSqGSIb3DQEJBDEiBCClkabUC/QgQEoBFzPP  t7GQ1ixlvwvNoytXsnfZrZ8UbjA3BgsqhkiG9w0BCRACLzEoMCYwJDAiBCDYvhVj  CAtW/Cs7938IOPMmazA2g8hXUO0B36wnL2GkvjANBgkqhkiG9w0BAQEFAASCAQB7  sV+FCKEmQTeSt9H92Yz4KqFX6z3AbEGpRXInILHjsT7F6tKqj5GlWXAQuXH00zZB  NjnQ3CcISz6uRNPw65MXwiRQgiv12dvZBXczpp4ba0iT5nvYLRqHmGoiQU6Fg7yI  OQjEaPHiSUufsF2DtpmXMOnjbe6ki14Us5H2g8koVaNmdxvy5LpMd3sYa49ajViK  ol7WZDKIWMX5OemkT1rNX4byWwswbw8mhNucM0c6eO6SO9MjwYR8X8D+ohJ1iaFp  ixpv8QiXeir7lz51QtFvL4TAu2YhFoJa7barwtG6VWSxK1ep3nMml76EpN5xVKNk  flGNB0lh6DZDvgys8bgI  -----END CMS----- |

Приложение №3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| № | Входные данные | | **kalkanFlags** | Выходные данные | |
| **inData** | **inSign** | **outVerifyInfo** | **outData** |
| 1 | - | -----BEGIN CMS-----  MIIGBAYJKoZIhvcNAQcCoIIF9TCCBfECAQExDjAMBggqgw4DCgEDAQUAMBoGCSqG  SIb3DQEHAaANBAtIZWxsbyBXb3JsZKCCBEIwggQ+MIID6KADAgECAhQ4wVKBdBwX  9PJg6IQiDgzLWnLG9TANBgkqgw4DCgEBAQIFADBTMQswCQYDVQQGEwJLWjFEMEIG  A1UEAww70rDQm9Ci0KLQq9KaINCa0KPTmNCb0JDQndCU0KvQoNCj0KjQqyDQntCg  0KLQkNCb0KvSmiAoR09TVCkwHhcNMjAwMTMxMTIyNDU0WhcNMjEwMTMwMTIyNDU0  WjCB6TEeMBwGA1UEAwwV0KLQldCh0KLQntCSINCi0JXQodCiMRUwEwYDVQQEDAzQ  otCV0KHQotCe0JIxGDAWBgNVBAUTD0lJTjEyMzQ1Njc4OTAxMTELMAkGA1UEBhMC  S1oxHDAaBgNVBAcME9Cd0KPQoC3QodCj0JvQotCQ0J0xHDAaBgNVBAgME9Cd0KPQ  oC3QodCj0JvQotCQ0J0xGDAWBgNVBAoMD9CQ0J4gItCi0JXQodCiIjEYMBYGA1UE  CwwPQklOMTIzNDU2Nzg5MDIxMRkwFwYDVQQqDBDQotCV0KHQotCe0JLQmNCnMGww  JQYJKoMOAwoBAQEBMBgGCiqDDgMKAQEBAQEGCiqDDgMKAQMBAQADQwAEQPt7+Toy  zfr2ET3VNkb2oDF+Fj0Hqw5oGMEk/g+hH4OwTAofNsIO2XSBjN6TUukmFPtx9jOt  6DI4eJvOLJ2sHJKjggHrMIIB5zAOBgNVHQ8BAf8EBAMCBsAwKAYDVR0lBCEwHwYI  KwYBBQUHAwQGCCqDDgMDBAECBgkqgw4DAwQBAgEwDwYDVR0jBAgwBoAEW2pz6TAd  BgNVHQ4EFgQUF2KDAKdW1I2OibmNdsK3QBY2W7YwXgYDVR0gBFcwVTBTBgcqgw4D  AwIBMEgwIQYIKwYBBQUHAgEWFWh0dHA6Ly9wa2kuZ292Lmt6L2NwczAjBggrBgEF  BQcCAjAXDBVodHRwOi8vcGtpLmdvdi5rei9jcHMwWAYDVR0fBFEwTzBNoEugSYYi  aHR0cDovL2NybC5wa2kuZ292Lmt6L25jYV9nb3N0LmNybIYjaHR0cDovL2NybDEu  cGtpLmdvdi5rei9uY2FfZ29zdC5jcmwwXAYDVR0uBFUwUzBRoE+gTYYkaHR0cDov  L2NybC5wa2kuZ292Lmt6L25jYV9kX2dvc3QuY3JshiVodHRwOi8vY3JsMS5wa2ku  Z292Lmt6L25jYV9kX2dvc3QuY3JsMGMGCCsGAQUFBwEBBFcwVTAvBggrBgEFBQcw  AoYjaHR0cDovL3BraS5nb3Yua3ovY2VydC9uY2FfZ29zdC5jZXIwIgYIKwYBBQUH  MAGGFmh0dHA6Ly9vY3NwLnBraS5nb3Yua3owDQYJKoMOAwoBAQECBQADQQC1dk8s  Y7e1KSB63hGhEUfSLLbghaFMpjgrotAjQfUhKFs5xSipJA1J0SvUGtb/RRmlF5IG  fsp5wdz0Q6F7ym+8MYIBeDCCAXQCAQEwazBTMQswCQYDVQQGEwJLWjFEMEIGA1UE  Aww70rDQm9Ci0KLQq9KaINCa0KPTmNCb0JDQndCU0KvQoNCj0KjQqyDQntCg0KLQ  kNCb0KvSmiAoR09TVCkCFDjBUoF0HBf08mDohCIODMtacsb1MAwGCCqDDgMKAQMB  BQCggaIwGAYJKoZIhvcNAQkDMQsGCSqGSIb3DQEHATAcBgkqhkiG9w0BCQUxDxcN  MjAwMjE4MTIwNDIyWjAvBgkqhkiG9w0BCQQxIgQgE90Xx3rvbBdtODks3w6eEhqk  SeHKRo9Y62BZWaVxSy8wNwYLKoZIhvcNAQkQAi8xKDAmMCQwIgQgoz+VLBBNKyhP  UZ1HW3HiiYQrYvUEmdcimY57pS/qByAwDQYJKoMOAwoBAQEBBQAEQJjXap3IGnBj  Gl86EjUnOKmsMnx24u/asJw9ozwH3R2WcKL9GOioWJjNLH9xlMbVxxXEiUymfksE  3HLdxFKmeAA=-----END CMS----- | **KC\_IN\_ PEM + KC\_OUT\_BASE64 + KC\_SIGN\_CMS** | Signature N 1  - CAdES-BES: verify signer certificate hash - OK.  Verify - OK  CMS Verify - OK | SGVsbG8gV29ybGQ= |
| 2 | Hello World | -----BEGIN CMS-----  MIIOqwYJKoZIhvcNAQcCoIIOnDCCDpgCAQExGzALBglghkgBZQMEAgEwDAYIKoMO  AwoBAwEFADALBgkqhkiG9w0BBwGgggqzMIIEPjCCA+igAwIBAgIUOMFSgXQcF/Ty  YOiEIg4My1pyxvUwDQYJKoMOAwoBAQECBQAwUzELMAkGA1UEBhMCS1oxRDBCBgNV  BAMMO9Kw0JvQotCi0KvSmiDQmtCj05jQm9CQ0J3QlNCr0KDQo9Co0Ksg0J7QoNCi  0JDQm9Cr0pogKEdPU1QpMB4XDTIwMDEzMTEyMjQ1NFoXDTIxMDEzMDEyMjQ1NFow  gekxHjAcBgNVBAMMFdCi0JXQodCi0J7QkiDQotCV0KHQojEVMBMGA1UEBAwM0KLQ  ldCh0KLQntCSMRgwFgYDVQQFEw9JSU4xMjM0NTY3ODkwMTExCzAJBgNVBAYTAkta  MRwwGgYDVQQHDBPQndCj0KAt0KHQo9Cb0KLQkNCdMRwwGgYDVQQIDBPQndCj0KAt  0KHQo9Cb0KLQkNCdMRgwFgYDVQQKDA/QkNCeICLQotCV0KHQoiIxGDAWBgNVBAsM  D0JJTjEyMzQ1Njc4OTAyMTEZMBcGA1UEKgwQ0KLQldCh0KLQntCS0JjQpzBsMCUG  CSqDDgMKAQEBATAYBgoqgw4DCgEBAQEBBgoqgw4DCgEDAQEAA0MABED7e/k6Ms36  9hE91TZG9qAxfhY9B6sOaBjBJP4PoR+DsEwKHzbCDtl0gYzek1LpJhT7cfYzregy  OHibziydrBySo4IB6zCCAecwDgYDVR0PAQH/BAQDAgbAMCgGA1UdJQQhMB8GCCsG  AQUFBwMEBggqgw4DAwQBAgYJKoMOAwMEAQIBMA8GA1UdIwQIMAaABFtqc+kwHQYD  VR0OBBYEFBdigwCnVtSNjom5jXbCt0AWNlu2MF4GA1UdIARXMFUwUwYHKoMOAwMC  ATBIMCEGCCsGAQUFBwIBFhVodHRwOi8vcGtpLmdvdi5rei9jcHMwIwYIKwYBBQUH  AgIwFwwVaHR0cDovL3BraS5nb3Yua3ovY3BzMFgGA1UdHwRRME8wTaBLoEmGImh0  dHA6Ly9jcmwucGtpLmdvdi5rei9uY2FfZ29zdC5jcmyGI2h0dHA6Ly9jcmwxLnBr  aS5nb3Yua3ovbmNhX2dvc3QuY3JsMFwGA1UdLgRVMFMwUaBPoE2GJGh0dHA6Ly9j  cmwucGtpLmdvdi5rei9uY2FfZF9nb3N0LmNybIYlaHR0cDovL2NybDEucGtpLmdv  di5rei9uY2FfZF9nb3N0LmNybDBjBggrBgEFBQcBAQRXMFUwLwYIKwYBBQUHMAKG  I2h0dHA6Ly9wa2kuZ292Lmt6L2NlcnQvbmNhX2dvc3QuY2VyMCIGCCsGAQUFBzAB  hhZodHRwOi8vb2NzcC5wa2kuZ292Lmt6MA0GCSqDDgMKAQEBAgUAA0EAtXZPLGO3  tSkget4RoRFH0iy24IWhTKY4K6LQI0H1IShbOcUoqSQNSdEr1BrW/0UZpReSBn7K  ecHc9EOhe8pvvDCCBm0wggRVoAMCAQICFBJrYt7hXLVq8p9OHMEUh0hZX9BMMA0G  CSqGSIb3DQEBCwUAMFIxCzAJBgNVBAYTAktaMUMwQQYDVQQDDDrSsNCb0KLQotCr  0pog0JrQo9OY0JvQkNCd0JTQq9Cg0KPQqNCrINCe0KDQotCQ0JvQq9KaIChSU0Ep  MB4XDTIwMDEzMTEyMjI1OVoXDTIxMDEzMDEyMjI1OVowga8xIjAgBgNVBAMMGdCi  0JXQodCi0KLQntCSINCi0JXQodCi0KIxFzAVBgNVBAQMDtCi0JXQodCi0KLQntCS  MRgwFgYDVQQFEw9JSU4xMjM0NTY3ODkwMTIxCzAJBgNVBAYTAktaMRUwEwYDVQQH  DAzQkNCb0JzQkNCi0KsxFTATBgNVBAgMDNCQ0JvQnNCQ0KLQqzEbMBkGA1UEKgwS  0KLQldCh0KLQotCe0JLQmNCnMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKC  AQEAiDPNsqD1i/rZAktCvTJyKy3uw2l3B4znJhLnQv3m/Ax2VoNhmqWlcfgArLPh  shigLBnfC2zBQMlmfV7bSSODT+Jfe8XZxwmkRZmFPofxf6ANvz3it5cMmMauyRC2  zq5nKyCAf3CUwwl/p3WMf8R29bfl2JL4NMfQHrc8CX6V1Q0sGMQ1On8JPl9wdGqA  E5YomqX6dQPeRTmm/90rrPHAsf05SHDoq2L5jgdN0cg8VQ9oP/iocT450a6daoB9  gHNx5bkRfFqiC/0Ws7I7JhiRQg+MME6c2d1Mj13jlHA39H5EtUtmF9EhcB9aeTSd  i/coHVdHRmTNkLjR5yUlTnHN7wIDAQABo4IB2zCCAdcwDgYDVR0PAQH/BAQDAgbA  MB0GA1UdJQQWMBQGCCsGAQUFBwMEBggqgw4DAwQBATAPBgNVHSMECDAGgARbanQR  MB0GA1UdDgQWBBR0EkRp/hlbSXTTZC3VA2E4rA0oVzBeBgNVHSAEVzBVMFMGByqD  DgMDAgMwSDAhBggrBgEFBQcCARYVaHR0cDovL3BraS5nb3Yua3ovY3BzMCMGCCsG  AQUFBwICMBcMFWh0dHA6Ly9wa2kuZ292Lmt6L2NwczBWBgNVHR8ETzBNMEugSaBH  hiFodHRwOi8vY3JsLnBraS5nb3Yua3ovbmNhX3JzYS5jcmyGImh0dHA6Ly9jcmwx  LnBraS5nb3Yua3ovbmNhX3JzYS5jcmwwWgYDVR0uBFMwUTBPoE2gS4YjaHR0cDov  L2NybC5wa2kuZ292Lmt6L25jYV9kX3JzYS5jcmyGJGh0dHA6Ly9jcmwxLnBraS5n  b3Yua3ovbmNhX2RfcnNhLmNybDBiBggrBgEFBQcBAQRWMFQwLgYIKwYBBQUHMAKG  Imh0dHA6Ly9wa2kuZ292Lmt6L2NlcnQvbmNhX3JzYS5jZXIwIgYIKwYBBQUHMAGG  Fmh0dHA6Ly9vY3NwLnBraS5nb3Yua3owDQYJKoZIhvcNAQELBQADggIBAD3jfESi  1xkZnX41EjbZ4lyg8SZSNTnTei9rhW9XoqQgjB9y11zaBspIvps13fHr48cZHfbG  /PKEj0wSLD+/t0uPbgxzW4QJJ4IT+e/dpjepOUJvOfesGOjCfCaEG4VvT/l9kNey  NQPiFEgCn+kHYYPnVdd/mh6jh/xAzwL6Jcf336QorUM67xq7kpX19u+mD4TUTGLv  L8DrU6EvTMjFc3OfMIjY0+vplwyoBGIwey3+ifKE+K7of+hAbc7xLEKE2Ik+9r5t  PvY33Oiubo6fN525BeTBAJDNJCy3j+d4jz3nQjzBpRioZ+7TqPN/3mBknJOJOVdC  q9/URwRYqlWXpPcIe8y/QfOgTT5jksyKpWJoCyiNzNOPOLR1O0MacTuRaAotNWE4  8QbDJ4dW0z0gIhlDPCfaoXG5dhUEbqaYK15QzQhI3QvRqZyU8GMyuzoysN+bdSXX  6nHyhtwTSWFE3RPvb0L58rn0eOsIw+tthOojpR3bbsqQZtKDDjqnS8cvP1KDGrVl  1Af5YeEatKdzrGAIIRUBpnJnt64OglrLWr0hcSgCxkzzBUhv0F7gPnHlBKXIuUFj  voMf/wHVOLGNz9epaTGshcDULtSwHJqAQI4NcCEZCc1qDBroEGe7ifsK+vB3ECRD  R1u2ndLUXUKv4gL/RAoOUcWotb/6KnXKojRDMYIDsDCCAXQCAQEwazBTMQswCQYD  VQQGEwJLWjFEMEIGA1UEAww70rDQm9Ci0KLQq9KaINCa0KPTmNCb0JDQndCU0KvQ  oNCj0KjQqyDQntCg0KLQkNCb0KvSmiAoR09TVCkCFDjBUoF0HBf08mDohCIODMta  csb1MAwGCCqDDgMKAQMBBQCggaIwGAYJKoZIhvcNAQkDMQsGCSqGSIb3DQEHATAc  BgkqhkiG9w0BCQUxDxcNMjAwMjE4MTExMTM3WjAvBgkqhkiG9w0BCQQxIgQgE90X  x3rvbBdtODks3w6eEhqkSeHKRo9Y62BZWaVxSy8wNwYLKoZIhvcNAQkQAi8xKDAm  MCQwIgQgoz+VLBBNKyhPUZ1HW3HiiYQrYvUEmdcimY57pS/qByAwDQYJKoMOAwoB  AQEBBQAEQBdTCl5yV48+LRHMf2y2y97kqZVPqpebtYa3YMQ9rC1Pjh41qvgsm387  8XwwAhjcSTQ69oxbd4NT/Te05Bse0HkwggI0AgEBMGowUjELMAkGA1UEBhMCS1ox  QzBBBgNVBAMMOtKw0JvQotCi0KvSmiDQmtCj05jQm9CQ0J3QlNCr0KDQo9Co0Ksg  0J7QoNCi0JDQm9Cr0pogKFJTQSkCFBJrYt7hXLVq8p9OHMEUh0hZX9BMMAsGCWCG  SAFlAwQCAaCBojAYBgkqhkiG9w0BCQMxCwYJKoZIhvcNAQcBMBwGCSqGSIb3DQEJ  BTEPFw0yMDAyMTgxMTExMTdaMC8GCSqGSIb3DQEJBDEiBCClkabUC/QgQEoBFzPP  t7GQ1ixlvwvNoytXsnfZrZ8UbjA3BgsqhkiG9w0BCRACLzEoMCYwJDAiBCDYvhVj  CAtW/Cs7938IOPMmazA2g8hXUO0B36wnL2GkvjANBgkqhkiG9w0BAQEFAASCAQB7  sV+FCKEmQTeSt9H92Yz4KqFX6z3AbEGpRXInILHjsT7F6tKqj5GlWXAQuXH00zZB  NjnQ3CcISz6uRNPw65MXwiRQgiv12dvZBXczpp4ba0iT5nvYLRqHmGoiQU6Fg7yI  OQjEaPHiSUufsF2DtpmXMOnjbe6ki14Us5H2g8koVaNmdxvy5LpMd3sYa49ajViK  ol7WZDKIWMX5OemkT1rNX4byWwswbw8mhNucM0c6eO6SO9MjwYR8X8D+ohJ1iaFp  ixpv8QiXeir7lz51QtFvL4TAu2YhFoJa7barwtG6VWSxK1ep3nMml76EpN5xVKNk  flGNB0lh6DZDvgys8bgI-----END CMS----- | **KC\_IN\_ PEM + KC\_SIGN\_CMS +**  **KC\_ DETACHED\_DATA** | Signature N 1  - CAdES-BES: verify signer certificate hash - OK.  Verify - OK  Signature N 2  - CAdES-BES: verify signer certificate hash - OK.  Verify - OK  CMS Verify - OK | **-** |
| 3 | Hello World | Nd2u+5ZFi/eOa7wQ6xz9lixbZzIKVAqyWuy3iN84JMvzfa0+aAQf0e45e5jiKt3cFLZX+PT23fni4OKi2cnPsFbTvYZV2ZzXYd+0BMg6nBASCeH4B9q/imdXSKCWZuwaanCOpRos+yy70U2Qyn7uJHwCtkampP21/pvxmt9yZxCtcOwoSYzmglTnsygM3GpNhQLWIofrZCiDHyMteOBF0ePcVnlufv1blPvg3vSGXNyZXC79WfYV0fJN0XjjOYgCgxZG8FPCIB1taUrpWRKtCesT+jQ82ESDJstOmllEKanhIuJ4uFwQP1v5U11CJDpUJA7LxsWpFT3sZ1JE1g9aNg== | **KC\_IN\_ 2BASE64 + KC\_SIGN\_DRAFT** | Verify - OK | **-** |
| 4 | - |  | **KC\_IN\_ BASE64 + KC\_SIGN\_CMS** | Signature N 1  - CAdES-BES: verify signer certificate hash - OK.  Verify - OK  CMS Verify - OK | Hello World |
| 5 | - | D:\Temp\application.pdf *(Подписанный PDF-файл*) | **KC\_IN\_ FILE+ KC\_IN\_DER + KC\_SIGN\_CMS** | Signature N 1  - CAdES-BES: verify signer certificate hash - OK.  Verify - OK  CMS Verify - OK | - |