```
 1   static_diagram DIGITALVOTERLIST
 2   component
 3     cluster CRYPTO
 4     component
 5       deferred class ICRYPTO
 6         feature
 7
 8         VoterDataEncryptionKey : ASYMMETRICKEY
 9           ensure result /= void
10         end
11
12         SetVoterDataEncryptionKey : void
13           -> key : ASYMMETRICKEY
14
15         Keys : SET[ASYMMETRICKEY]
16           ensure result /= void
17         end
18
19         AsymmetricDecrypt : BYTEARRAY
20           -> c : CIPHERTEXT
21           -> k : ASYMMETRICKEY
22           require
23             c /= void and
24             k /= void
25           ensure result /= void
26         end
27
28         AsymmetricEncrypt : CIPHERTEXT
29           -> b : BYTEARRAY
30           -> k : ASYMMETRICKEY
31           require
32             b /= void and
33             k /= void
34           ensure result /= void
35         end
36
37         SymmetricDecrypt : BYTEARRAY
38           -> c : CIPHERTEXT
39           -> k : SYMMETRICKEY
40           require
41             c /= void and
42             k /= void
43           ensure result /= void
44         end
45
46         SymmetricEncrypt : CIPHERTEXT
47           -> b : BYTEARRAY
48           -> k : SYMMETRICKEY
49           require
50             b /= void and
51             k /= void
52           ensure result /= void
53         end
54
55         Hash : BYTEARRAY
56           -> b : BYTEARRAY
57           require b /= void
58         end
59
60         SetIv : void
61           -> b : BYTEARRAY
62           require b /= void
```

```
63          ensure GetIv = b
64        end
65
66        GetIv : BYTEARRAY
67          ensure result /= void
68        end
69
70        NewIv : void
71          ensure GetIv /= void and GetIv /= old getIv
72        end
73
74        GenerateSymmetricKey : BYTEARRAY
75          ensure result /= void
76        end
77      end
78    end
79  end
```