

```

1  static_diagram DIGITALVOTERLIST
2  component
3    cluster DATABASE
4    component
5      deferred class IDATABASE
6        feature
7
8          deferred GetBallotStatus : BALLOTSTATUS
9            -> vn : VOTERNUMBER
10           -> cpr : CPR
11           require
12             vn /= void and cpr /= void
13         end
14
15         deferred SetBallotStatus : void
16           -> vn : VOTERNUMBER
17           -> cpr : CPR
18           -> bs : BALLOTSTATUS
19           require
20             GetBallotStatus(vn, cpr) /= BALLOTSTATUS.Unavailable and bs
21             /= BALLOTSTATUS.Unavailable and ((GetBallotStatus(vn, cpr) =
22             BALLOTSTATUS.NotReceived and bs = BallotStatus.Received) or
23             (GetBallotStatus(vn, cpr) = BALLOTSTATUS.Received and bs =
24             BallotStatus.NotReceived))
25           ensure GetBallotStatus(vn, cpr) = bs
26         end
27
28         deferred GetBallotStatusCPROnly : BALLOTSTATUS
29           -> cpr : CPR
30           -> pswd : STRING
31           require
32             pswd /= void and Parent.ValidMasterPassword(pswd)
33         end
34
35         deferred SetBallotStatusCPROnly : void
36           -> cpr : CPR
37           -> bs : BALLOTSTATUS
38           -> pswd : STRING
39           require
40             pswd /= void and Parent.ValidMasterPassword(pswd) and
41             GetBallotStatusCPROnly(cpr, pswd) /= BALLOTSTATUS.Unavailable and bs /=
42             BALLOTSTATUS.Unavailable and ((GetBallotStatusCPROnly(cpr, pswd) =
43             BALLOTSTATUS.NotReceived and bs = BallotStatus.Received) or
44             (GetBallotStatusCPROnly(cpr, pswd) = BALLOTSTATUS.Received and bs =
45             BallotStatus.NotReceived))
46           ensure GetBallotStatusCPROnly(cpr, pswd) = bs
47         end
48
49         deferred AllData : SEQUENCE[ENCRYPTEDVOTERDATA]
50           ensure result /= void
51         end
52
53         deferred Parent : STATION
54           ensure result /= void
55         end
56
57         deferred Import : void
58           -> data : SEQUENCE[ENCRYPTEDVOTERDATA]
59           require data /= void
60         end
61       end
62     end
63   end

```

54 end