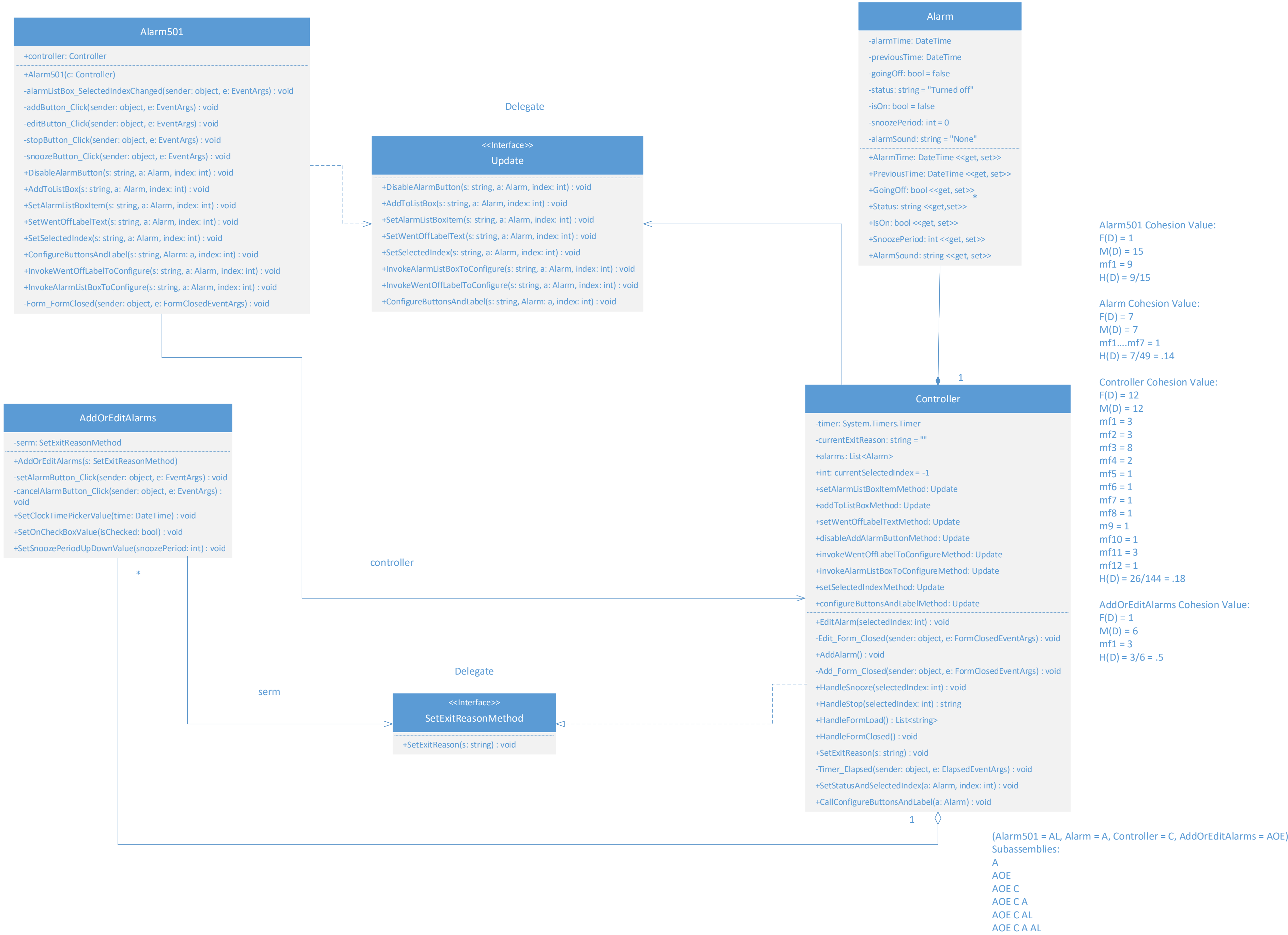




There should be an arrow going to AddOrEditAlarms but Visio doesn't do that. This is a 1 to many relationship.

(AddOrEditAlarms = AOE, Alarm501 = AL)  
 Subassemblies:  
 AOE  
 AOE AL

There are 2 subassemblies and 2 classes.  
 The coupling ration is:  
 $C = 2/2 = 1$



Alarm501 Cohesion Value:

F(D) = 1  
M(D) = 15  
mf1 = 9  
H(D) = 9/15

Alarm Cohesion Value:

F(D) = 7  
M(D) = 7  
mf1....mf7 = 1  
H(D) = 7/49 = .14

Controller Cohesion Value:

F(D) = 12  
M(D) = 12  
mf1 = 3  
mf2 = 3  
mf3 = 8  
mf4 = 2  
mf5 = 1  
mf6 = 1  
mf7 = 1  
mf8 = 1  
m9 = 1  
mf10 = 1  
mf11 = 3  
mf12 = 1  
H(D) = 26/144 = .18

AddOrEditAlarms Cohesion Value:

F(D) = 1  
M(D) = 6  
mf1 = 3  
H(D) = 3/6 = .5

(Alarm501 = AL, Alarm = A, Controller = C, AddOrEditAlarms = AOE)  
Subassemblies:  
A  
AOE  
AOE C  
AOE C A  
AOE C AL  
AOE C A AL

There are 6 subassemblies and 4 classes.  
The coupling ration is:  
C = 6/4 = 1.5.