

```

    Help
#ifndef _STDa_H
#define _STDa_H

#include "optype.h"
#include "var.h"
#include "chk.h"
#include "numfunc.h"
#include "option.h"

#define TYPEOPT STDa

typedef struct TYPEOPT
{
    VAR      PayOff;
    VAR      EuOrAm;
    VAR      Maturity;
    VAR      DeemedContribution;
    VAR      InitialAge;
    VAR      Premium;
    VAR      MinimumGuaranteed;
    VAR      NumberofMonitoringDates;
    VAR      Alpha;
    VAR      Alpha_m;
    VAR      MultiplieriCPPi;
    VAR      Ratchet;
    VAR      Gamma;
    VAR      Bonus;
    VAR      WithdrawalRate;
    VAR      SurrenderCharges;
    VAR      SurrenderTimes;
    VAR      MortalityData;
    VAR      MaximumWithdrawalRate;
    VAR      RateAccumulation;
    VAR      PremiumPercentage;
    VAR      CompoundRollUpRate;
    VAR      ForceOfMortality;
    VAR      TermCertainAnnuitiyMaturity;
} TYPEOPT;

int OPT(Get)(int user, Planning *pt_plan, Option *opt,

```

```
    Model *mod);  
int OPT(FGet)(char **InputFile, int user, Planning *pt_plan  
    , Option *opt, Model *mod);  
int OPT(Show)(int user, Planning *pt_plan, Option *opt,  
    Model *mod);  
int OPT(Check)(int user, Planning *pt_plan, Option *opt);  
  
#endif
```

## References