CGNS/SIDS proposal for extensions – 2011/08/29 – v0.2 – Multiple Families 1/1
Author: Marc Poinot, ONERA/DSNA
Contact: marc.poinot@onera.fr

**Multiple families declaration in Zones, ZoneSubRegions and Boundary Conditions**

The proposal is a modification of the use of the *Family_t* node. We propose to have more than one *FamilyName_t* node in the *Zone_t, ZoneSubRegion_t* and *BC_t* nodes. The reserved name for the *FamilyName_t* node is *FamilyName*. We keep this requirement unchanged. Other *FamilyName_t* nodes, as *Zone_t, ZoneSubRegion_t* and *BC_t* children, would have a user-defined name.

```
Zone_t :=
  {
  ...
  FamilyName_t FamilyName ;                              (o)

  List(  FamilyName_t FamilyName1 … FamilyNameN ) ;     (o)

  ...
  } ;

ZoneSubRegion_t :=
  {
  ...
  FamilyName_t FamilyName ;                              (o)

  List(  FamilyName_t FamilyName1 … FamilyNameN ) ;     (o)

  ...
  } ;

BC_t :=
  {
  ...
  FamilyName_t FamilyName ;                              (o)

  List(  FamilyName_t FamilyName1 … FamilyNameN ) ;     (o)

  ...
  } ;
```