Usage graph accessibility control

1. Client relation(usage). Any client may use unit member. {Any} or just no specifier
2. Selective export. Clearly specified clients may use this member. {A, B, …} – explicitly specify clients
3. No client may use this member. {}

Inheritance graph accessibility control

1. Any descendant may use unit member – member is visible. No specifier
2. No descendant may use this member. Member is hidden.

foo

Visible

Vs.

Hidden

{Any}

vs.

{A, B, ….}

vs.

{}

So, in total there are 6 options

1. {Any} + visible – OK. Just specify nothing or **{**Any**}**!
2. {Any} + hidden – Prohibited. If client has access then there is no reason to limit access for descendants
3. {A, B, …} + visible – OK. Just specify list of clients **{**A, B, …**}** Support for selective export is optional …
4. {A, B, …} + hidden – Prohibited similar to #2
5. {} + visible – OK. Just specify **{}**
6. {} + hidden – that is private. Ok. Just specify **{this}**

Example

**unit** A

f1 **do end** // Visible for all clients and all descendants

{Any} f2 **do .. end** // Visible for all clients and all descendants

{A, B, C} f3 **do … end** /\* Visible for clients A, B, C and all descendants\*/

{} f4 **do end** // Visible for all descendants only

{**this**} f5 **do … end** // Visible within the current unit only

**end**