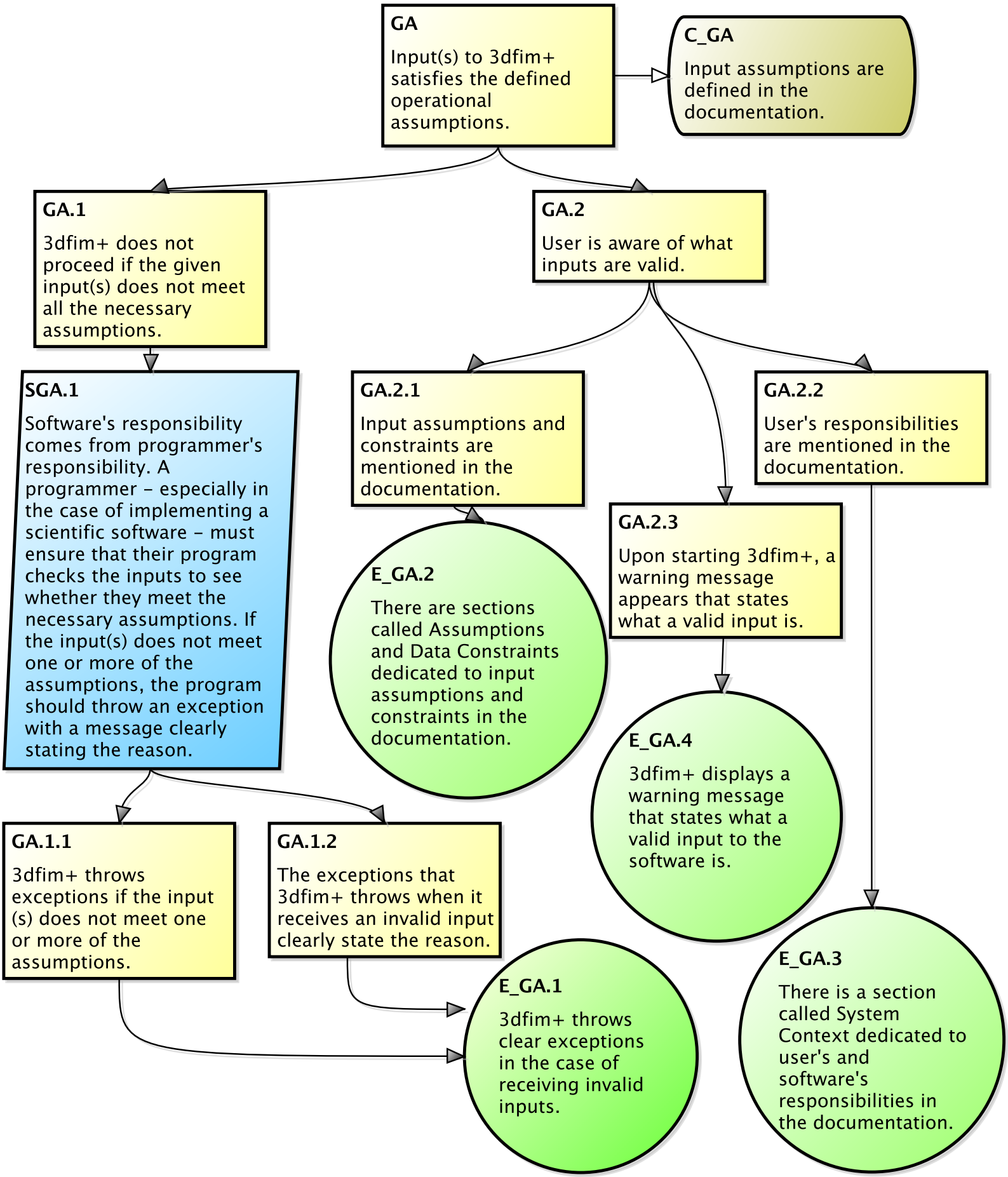
GA
Input(s) to 3dfim+ satisfies the defined operational assumptions.
C_GA
Input assumptions are defined in the documentation.
GA.1
3dfim+ does not proceed if the given input(s) does not meet all the necessary assumptions.
GA.2
User is aware of what inputs are valid.
SGA.1
Software's responsibility comes from programmer's responsibility. A programmer – especially in the case of implementing a scientific software – must ensure that their program checks the inputs to see whether they meet the necessary assumptions. If the input(s) does not meet one or more of the assumptions, the program should throw an exception with a message clearly stating the reason.
GA.2.1
Input assumptions and constraints are mentioned in the documentation.
GA.2.2
User's responsibilities are mentioned in the documentation.
GA.2.3
Upon starting 3dfim+, a warning message appears that states what a valid input is.
E_GA.2
There are sections called Assumptions and Data Constraints dedicated to input assumptions and constraints in the documentation.
E_GA.4
3dfim+ displays a warning message that states what a valid input to the software is.
GA.1.1
3dfim+ throws exceptions if the input (s) does not meet one or more of the assumptions.
GA.1.2
The exceptions that 3dfim+ throws when it receives an invalid input clearly state the reason.
E_GA.1
3dfim+ throws clear exceptions in the case of receiving invalid inputs.
E_GA.3
There is a section called System Context dedicated to user's and software's responsibilities in the documentation.