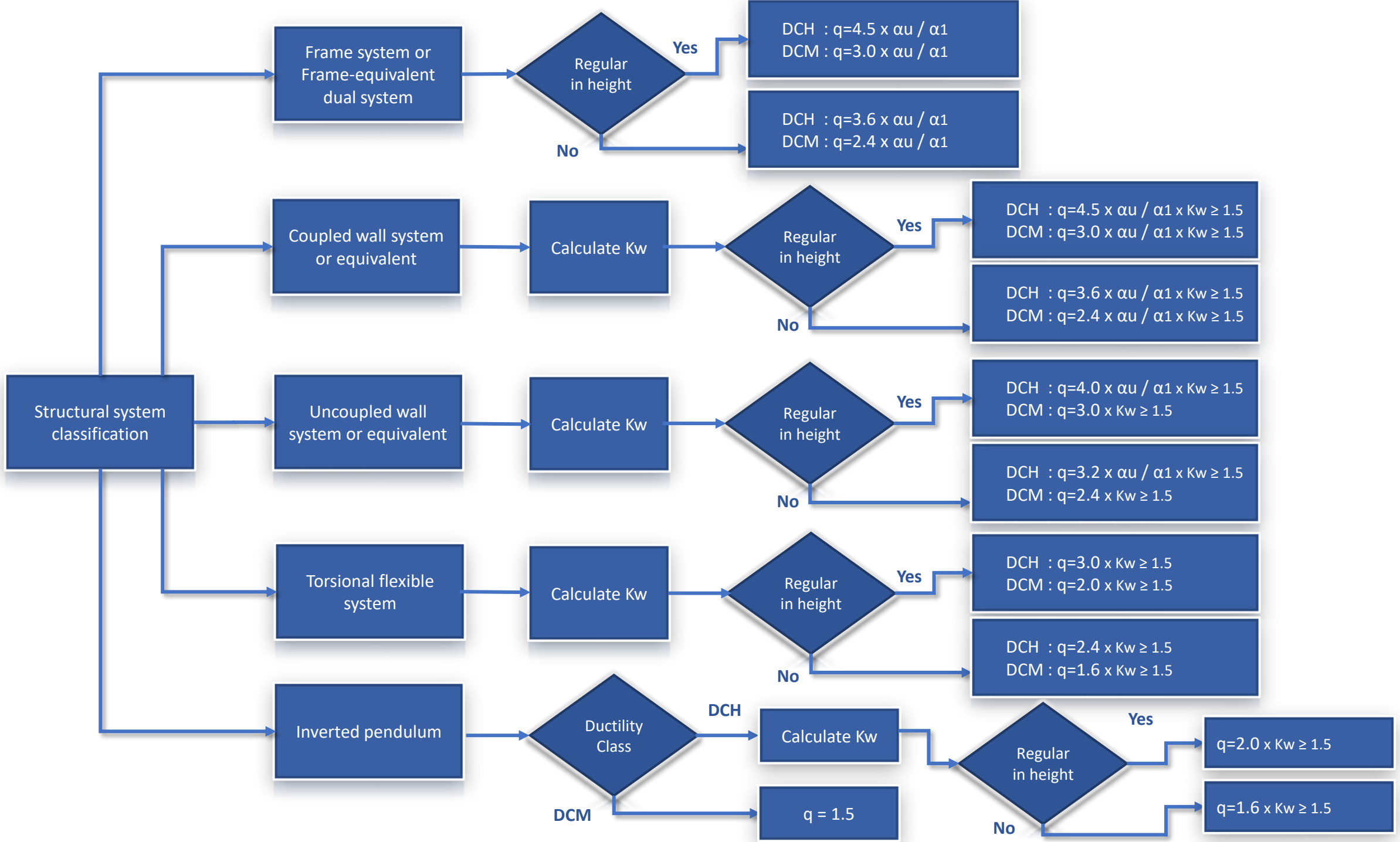
Structural system classification
Frame system or Frame-equivalent dual system
Regular in height
Yes
DCH : q=4.5 x αu / α1
DCM : q=3.0 x αu / α1
No
DCH : q=3.6 x αu / α1
DCM : q=2.4 x αu / α1
Coupled wall system or equivalent
Calculate Kw
Regular in height
Yes
DCH : q=4.5 x αu / α1 x Kw ≥ 1.5
DCM : q=3.0 x αu / α1 x Kw ≥ 1.5
No
DCH : q=3.6 x αu / α1 x Kw ≥ 1.5
DCM : q=2.4 x αu / α1 x Kw ≥ 1.5
Uncoupled wall system or equivalent
Calculate Kw
Regular in height
Yes
DCH : q=4.0 x αu / α1 x Kw ≥ 1.5
DCM : q=3.0 x Kw ≥ 1.5
No
DCH : q=3.2 x αu / α1 x Kw ≥ 1.5
DCM : q=2.4 x Kw ≥ 1.5
Torsional flexible system
Calculate Kw
Regular in height
Yes
DCH : q=3.0 x Kw ≥ 1.5
DCM : q=2.0 x Kw ≥ 1.5
No
DCH : q=2.4 x Kw ≥ 1.5
DCM : q=1.6 x Kw ≥ 1.5
Inverted pendulum
Ductility Class
DCH
Calculate Kw
Regular in height
Yes
q=2.0 x Kw ≥ 1.5
No
q=1.6 x Kw ≥ 1.5
DCM
q = 1.5