

SECTION 6 ULTIMATE LIMIT STATES (ULS)

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In **figure 6.103** in the clause 6.2.3 replace:

“C Tension chord of truss (external tendon)”

with the following:

“C Tension chord of truss (external or internal unbonded tendon).”

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In the clause **6.3.2(102)** replace:

“The maximum bearing capacity of a member loaded in shear and torsion follows from 6.3.2 (4).”

with the following:

“The maximum bearing capacity of a member loaded in shear and torsion follows from 6.3.2 (104).”

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In the clause **6.3.2(104)** replace:

“...where v follows from 6.2.2 (6) of EN 1992-1-1 and α_{cw} from Expression (6.9).”

with the following:

“...where v follows from 6.2.2 (6.6N) of EN 1992-1-1 and α_{cw} from Expression (6.9).”

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In the clause **6.8.7(101)** replace expression (6.106):

$$N_i = 10 \exp \left(14 \left(1 - \frac{E_{cd,max,i}}{\sqrt{1-R_i}} \right) \right) ,$$

with the following:

$$N_i = 10 \left(14 \frac{1-E_{cd,max,i}}{\sqrt{1-R_i}} \right) ,$$

SECTION 7 SERVICEABILITY LIMIT STATES (SLS)

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In the clause **7.3.2(105)** replace:

“...to cater for shrinkage, $f_{ct,eff}$ in Expression (7.1) of EN1992-1-1 should be taken as...”

with the following:

“...to cater for shrinkage, $f_{ct,eff}$ in Expression (7.1) should be taken as...”

Delete the paragraph 7.4.2:

“7.4.2 Cases where calculations may be omitted

This clause does not apply.”

ANNEX B (INFORMATIVE)

In the clause **B.105(103)** replace:

“For concrete aged 1 year or more...and by Expressions (B.16) and (B118) of EN 1991-2... ”
with the following:

“For concrete aged 1 year or more...and by Expressions (B.116) and (B118) of EN 1991-2... ”

ANNEX J (INFORMATIVE)

In the clause **J.104.1(104)** replace:

“...The reinforcement provided to avoid edge sliding shall be adequately anchored ”
with the following:

“...The reinforcement provided to avoid edge sliding should be adequately anchored ”

In the clause **J.104.2(102)** in the fourth dash replace:

“...The prisms associated with different anchorages may overlap (this can occur when the tendons are not parallel) but should remain inside the concrete.”

with the following:

“...The prisms associated with different anchorages may overlap when the tendons are not parallel, but should remain inside the concrete.”

ANNEX KK (INFORMATIVE)

In the clause **KK.2(101)** replace:

“...of internal actions, shall be considered, in general, in serviceability conditions.”

with the following:

“...of internal actions, should be considered, in general, in serviceability conditions.”

In the clause **KK.5(104)** replace expression (KK.109):

$$D(t) = D_{el}(t_0)$$

with the following:

$$D(t) = D_{el}(t)$$

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In the clause **KK.6(102)** replace:

“...which would result from an increase in stress applied...”

with the following:

“...which would result from a variation in stress applied...”

In the clause **KK.6(102)** replace expression (KK.118):

$$\int_{\tau=t_0}^t [1 + \varphi(t, \tau)] d\sigma(\tau) = [1 + \chi(t, t_0) \varphi(t, t_0)] \Delta\sigma_{t_0 \rightarrow t}$$

with the following:

$$\int_{\tau=t_0}^t \left[\frac{E_c(28)}{E_c(\tau)} + \varphi_{28}(t, \tau) \right] d\sigma(\tau) = \left[\frac{E_c(28)}{E_c(t_0)} + \chi(t, t_0) \varphi_{28}(t, \tau) \right] \Delta\sigma_{t_0 \rightarrow t}$$

In the clause **KK.7(101)** replace expression (KK.119):

$$S_{\infty} = S_0 + (S_c - S_0) \frac{\varphi(\infty, t_0) - \varphi(t_c, t_0)}{1 + \chi\varphi(\infty, t_c)}$$

with the following:

$$S_{\infty} = S_0 + (S_1 - S_0) \frac{E_c(t_1)}{E_c(t_0)} \left[\frac{\varphi(\infty, t_0) - \varphi(t_1, t_0)}{1 + \chi\varphi(\infty, t_1)} \right]$$

In the clause **KK.7(101)** replace:

“ S_c represents the internal forces that are obtained if the structure is constructed on centering.”

with the following:

“ S_1 represents the internal forces in the final static scheme.”

In the clause **KK.7(101)** replace:

“ t_0 is the concrete age on application of the load.”

with the following:

“ t_0 is the concrete age at application of the constant permanent loads.”

In the clause **KK.7(101)** replace:

“ t_c is the age of the concrete when the support conditions are changed.”

with the following:

“ t_1 is the age of concrete when the restraint conditions are changed.”

ANNEX LL (INFORMATIVE)

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In the clause **LL(112)** replace:

“...elements, using the design rules of clause 6(109) and Annex F.”

with the following:

“...elements, using the design rules of clause 6.109 and Annex F.”

In the clause **LL(113)** replace:

“...assuming the thickness of the outer layers to be twice the concrete cover, therefore:”

with the following:

“...assuming the thickness of the outer layers to be twice the edge distance to the gravity centre of reinforcement, therefore:”

ANNEX OO (INFORMATIVE)

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In the clause **OO.2(105)** replace:

“In addition to the reinforcement obtained on the basis of the resistance mechanisms identified above, it will be necessary to have the load reinforcement concentrated on the area located on the supports. ”

with the following:

“In addition to the reinforcement obtained on the basis of the above resistant mechanism, splitting reinforcement should be provided, if necessary, with regard to concentrated support forces. ”

ANNEX PP (INFORMATIVE)

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In the clause **PP.1(101)** replace:

“...reverse application of inequalities (5.102a) and (5.102b) is shown diagrammatically in Figures... ”

with the following:

“...reverse application of inequalities (5.102 aN) and (5.102 bN) is shown diagrammatically in Figures... ”

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In the clause **PP.1(102)** replace:

“...the application of inequalities (5.102a) and (5.102b) is illustrated in Figures... ”

with the following:

“...the application of inequalities (5.102 aN) and (5.102 bN) is illustrated in Figures... ”