#	Error/Warning	File(s) (join on)	Where
101	Structural - Error: DB030 - Duplicate ID numbers	D	having count(DB030) > 1 grouped by DB010,DB030
102	Structural - Error: DB130 - Household data record is missing in H-file (or to drop) or DB130 not filled correctly	D,H(DB030 = HB030 and DB010 = HB010)	(DB130 = 11 and HB030 = .) or (DB130 ne 11 and HB030 ne .)
103	Structural - Error: DB135 - Records are missing in R- or P-file or DB135 not filled correctly	D,R(DB030 = RHID and DB010 = RB010)	DB135 = 1 having min(rb250) not in (11,12,13) grouped by RB010,RHID
104	Structural - Error: DB135 - In R- or P-file records to drop (or are missing) or DB135 not filled correctly	D,R(DB030 = RHID and DB010 = RB010)	DB135 ne 1 and RB250 in (11,12,13)
105	Structural - Error (follow-up): DB110 = 1,2,3,4,5,6,7 or 10 => must be 1,2,8 or 9 in previous year	D,D(a.DB030 = b.DB030)	a.DB010+1 = b.DB010 and b.DB110 in (1,2,3,4,5,6,7,10) and a.DB110 not in (1,2,8,9)
106	Structural - Error (follow-up): DB110 = 8 or 9 => household should not exist in previous year	D,D(a.DB030 = b.DB030)	a.DB010+1 = b.DB010 and b.DB110 in (8,9)
107	Structural - Error (follow-up): DB110=1 and (DB130=21 or DB130_F=-1) in previous year => household should be dropped	D,D(a.DB030 = b.DB030)	a.DB010+1 = b.DB010 and a.DB110 = 1 and (a.DB130 =21 or a.DB130_F = -1)
108	Structural - Error (follow-up): DB110 = 2 and (DB120 in (21,23) or DB120_F = -1 or DB130 = 21 or DB130_F = -1) in previous year => household should be dropped	D,D(a.DB030 = b.DB030)	a.DB010+1 = b.DB010 and a.DB110 = 2 and (a.DB120 in (21,23) or a.DB130_F = -1 or a.DB130 =21 or a.DB130_F = -1)
109	Structural - Error (follow-up): DB110 = 3,4,5,6,7 or 10 in previous year => household should be dropped	D,D(a.DB030 = b.DB030)	a.DB010+1 = b.DB010 and a.DB110 in (3,4,5,6,7,10)
110	Structural - Error (follow-up): DB110 = 8 and (DB120 in (21,23) or DB120_F = -1 or DB130 = 21 or DB130_F = -1) in previous year => household should be dropped	D,D(a.DB030 = b.DB030)	a.DB010+1 = b.DB010 and a.DB110 = 8 and (a.DB120 in (21,23) or a.DB130_F = -1 or a.DB130 =21 or a.DB130_F = -1)
111	Structural - Error (follow-up): DB110 = 9 and (DB120 in (21,22,23) or DB120_F = -1 or DB130 in (21,22,23,24) or DB130_F = -1) in previous year => household should be dropped	D,D(a.DB030 = b.DB030)	a.DB010 +1 = b.DB010 and a.DB110 = 9 and (a.DB120 in (21,22,23) or a.DB130_F = -1 or a.DB130 in (21,22,23,24) or a.DB130_F = -1)
112	Structural - Error (follow-up): Interview not accepted for 2 consecutive years => household should be dropped	D,D(a.DB030 = b.DB030)	a.DB010+1 = b.DB010 and a.DB135 not = 1 and b.DB135 not = 1 having max(a.DB010) > b.DB010 grouped by a.DB030
113	Structural - Error: DB110 must be 9 for household first time in survey	D	mod(DB030,100) = 0 having count(DB030) = 1 and min(DB110) ne 9 grouped by DB030
114	Structural - Error: DB110 must be 8 for split-off household first time in survey	D	mod(DB030,100) > 0 having count(DB030) = 1 and min(DB110) ne 8 grouped by DB030
115	Longitudinal - Error: DB075 must be the same every year	D	having count(distinct DB075) > 1 grouped by DB030
116	Longitudinal - Error: DB040 must be the same every year if household is at the same adress	D,D(a.DB030 = b.DB030)	b.DB110 = 1 and a.DB010+1 = b.DB010 and a.DB040 ne b.DB040
117	Longitudinal - Error: DB100 must be the same every year if household is at the same adress	D,D(a.DB030 = b.DB030)	b.DB110 = 1 and a.DB010+1 = b.DB010 and a.DB100 ne b.DB100
120	Structural - Error: RB030 - Duplicate ID numbers	R	having count(RB030) > 1 grouped by RHID,RB030,RB010

#	Error/Warning	File(s) (join on)	Where
121	Structural - Error: RB030 - Corresponding household does not exist in D-file	R,D(RHID = DB030 and RB010 = DB010)	DB030 = .
123	Structural - Warning: RB210 - Age and basic activity status may be not consistent	R	AGE < 16 and RB210 in (1,2,3)
124	Structural - Warning: RB245 - Age and eligibility are not consistent	R	RB245_F ne -2 and ((AGE >= 16 and RB245 not in (1,2,3)) or (AGE < 16 and RB245 in (1,2,3)))
125	Structural - Error: RB245 - Codes 1 and (2,3) cannot be mixed within the same household	R	RB245 in (1,2,3) having min(RB245) = 1 and max(RB245) in (2,3) grouped by RHID
126	Structural - Error: RB245 - Only one person can be selected respondant in the same household	R	RB245 = 2 having count(RB245) > 1 grouped by RHID,RB010
127	Structural - Error: RB250 - Data can be collected only from eligible persons	R	(RB250 in (11,12,13) and RB245 not in (1,2,3))
128	Structural - Error: RB250 - Personal data record is missing in P-file or RB250 not filled correctly	R,P(RB030 = PB030 and RB010 = PB010 and a.RHID = b.PHID)	(RB250 in (11,12,13) and PB030 = .) or ((RB250 not in (11,12,13)) and PB030 ne .)
129	Structural - Error: RB270 - Proxy is not household member or does not exist	R,R(a.RB270 = b.RB030 and a.RB010 = b.RB010 and a.RHID = b.RHID)	a.RB270_F ge 0 and a.RHID ne b.RHID
130	Structural - Error: RB270 - The person cannot be proxy for himself	R	RB270_F ge 0 and RB030 = RB270
131	Structural - Error (follow-up): RB110 = 1,5 or 6 => must be 1,2,3 or 4 in previous year	R,R(a.RB030 = b.RB030 and a.RHID = b.RHID)	a.RB010+1 = b.RB010 and b.RB110 in (1,5,6) and a.RB110 not in (1,2,3,4)
132	Structural - Error (follow-up): RB110 = 2,3,4 or 7 => household member should not exist in previous year	R,R(a.RB030 = b.RB030 and a.RHID = b.RHID)	a.RB010+1 = b.RB010 and b.RB110 in (2,3,4,7)
133	Structural - Error (follow-up): RB110 = 5,6 or 7 or RB110_F = -1 in previous year => household member should be dropped	R,R(a.RB030 = b.RB030 and a.RHID = b.RHID)	a.RB010+1 = b.RB010 and (a.RB110 in (5,6,7) or a.RB110_F = -1)
134	Structural - Error: RB110 must be 1 for household first time in survey	R,D(DB030 = RHID and DB010 = RB010)	RB110 not in(1,7) and DB110 = 9

#	Error/Warning	File(s) (join on)	Where
135	Structural - Error: RB110 must be 2 in the new household for a sample person moved from another household	R,R,D((a.RB030 = b.RB030 and a.RHID ne b.RHID and a.RB010 = b.RB010) and b.RHID = c.DB030 and b.RB010 = c.DB010)	a.RB100 = 1 and a.RB110 = 5 and a.RB120 = 1 and b.RB110 ne 2 and c.DB135 = 1
136	Structural - Error: A sample person moved from another household must have RB110=5 and RB120 = 1 in the prevoius household	R,R(a.RB030 = b.RB030 and a.RHID ne b.RHID and a.RB010 = b.RB010)	a.RB100 = 1 and (a.RB110 ne 5 or a.RB120 ne 1) and b.RB110 = 2
137	Structural - Error: RB100 - If 4 year rotational panel: Person should be sample person	R,D(DB030 = RHID and DB010 = RB010)	RB110 = 1 and DB110 = 9 and (RB245 in (1,2) or (RB245 = 4 and AGE ge 14)) and RB100 ne 1
138	Structural - Error: RB100 - If 4 year rotational panel: Person should not be sample person	R,D(DB030 = RHID and DB010 = RB010)	RB110 = 1 and DB110 = 9 and (RB245 not in (1,2) and (RB245 = 4 and AGE lt 14)) and RB100 ne 2
139	Longitudinal - Error: RB100 must be the same every year	R	having count(distinct RB100) > 1 and RB110 ne 7 grouped by RB030
140	Longitudinal - Error: RB070 - Month of birth must be the same every year	R	having count(distinct RB070) > 1 grouped by RB030
141	Longitudinal - Error: RB080 - Year of birth must be the same every year	R	having count(distinct RB080) > 1 grouped by RB030
142	Longitudinal - Error: RB090 - Sex must be the same every year	R	having count(distinct RB090) > 1 grouped by RB030
143	Longitudinal - Warning: RB220 - Father should be the same every year	R	having count(distinct RB220) > 1 grouped by RB030
144	Longitudinal - Warning: RB230 - Mother should be the same every year	R	having count(distinct RB230) > 1 grouped by RB030
145	Longitudinal - Error: RB245 - Respondant status (16+) must be the same every year	R	RB245 in (1,2,3) having count(distinct RB245) > 1 grouped by RB030
146	Longitudinal - Error: RB040 must be the same every year if person was in this household in previous waves	R,R(a.RB030 = b.RB030)	b.RB110 = 1 and a.RB010+1 = b.RB010 and a.RB040 ne b.RB040
147	Structural - Warning: RB080 RB090 - Age at date of interview is -1	H,R(RB010 = HB010 and RHID = HB030)	floor(((HB060*100+HB050) - (RB080*100+RB070))/100) = -1
150	Structural - Error: HB030 - Duplicate ID numbers	H	having count(HB030) > 1 grouped by HB030,HB010
151	Structural - Error: HB070 - Person who filled in the questionnaire is not household member or does not exist	H,R(HB070 = RB030 and HB010 = RB010)	HB070_F ge 0 and RHID ne HB030
153	Structural - Error: HB080 - Person 1 responsible for the accomodation is not household member or does not exist	H,R(HB080 = RB030 and HB010 = RB010)	HB080_F ge 0 and RHID ne HB030
154	Structural - Warning: HB080 - Age of Person 1 responsible for the accomodation is below 16	H,R(HB080 = RB030 and HB010 = RB010)	HB080_F ge 0 and AGE < 16

#	Error/Warning	File(s) (join on)	Where
155	Structural - Error: HB090 - Person 2 responsible for the accomodation is not household member or does not exist	H,R(HB090 = RB030 and HB010 = RB010)	HB090_F ge 0 and RHID ne HB030
156	Structural - Warning: HB090 - Age of Person 2 responsible for the accomodation is below 16	H,R(HB090 = RB030 and HB010 = RB010)	HB090_F ge 0 and AGE < 16
157	Structural - Error: HB080 - Person 1 and person 2 responsible for the accomodation cannot be the same person	H	HB080_F ge 0 and HB080 = HB090
170	Structural - Error: PB030 - Duplicate ID numbers	P	having count(PB030) > 1 grouped by PB030,PB010
172	Structural - Error: PB130 PB140 PB150 - Birth date and sex must be equal in R- and P-file	P,R(PB030 = RB030 and PB010 = RB010)	((PB130_F ge 0 and PB130 ne RB070) or (PB140_F ge 0 and PB140 ne RB080) or (PB150_F ge 0 and PB150 ne RB090)) and RB030 ne .
180	Longitudinal - Error: DB030 - Household should exist in following year (or should not be in the file at all)	D,D(a.DB030 = b.DB030 and a.DB010+1 = b.DB010)	a.DB135 = 1 and b.DB030 = . and a.DB010 ne &yy2
181	Longitudinal - Error: RB030 - Household member should exist in same houshold in following year	D,R(DB030 = RHID)	having a.DB010 = &yy2 and a.DB110 ne 9 and a.DB135 = 1 and ((RB010 = DB010 and RB110 = 1) or RB010 = DB010-1) and count(RB030) = 1 grouped by RHID,RB030
301	Relationchip - Error: RB220 - Father is not household member or does not exist	R,R(a.RB220 = b.RB030 and a.RB010 = b.RB010 and a.RHID = b.RHID)	a.RB220_F ge 0 and b.RB030 = .
302	Relationchip - Error: RB220 - The person cannot be his own father	R	RB030 = RB220
303	Relationchip - Error: RB230 - Mother is not household member or does not exist	R,R(a.RB230 = b.RB030 and a.RB010 = b.RB010 and a.RHID = b.RHID)	a.RB230_F ge 0 and b.RB030 = .
304	Relationchip - Error: RB230 - The person cannot be his own mother	R	RB030 = RB230
305	Relationchip - Error: RB240 - Spouse/partner is not household member or does not exist	R,R(a.RB240 = b.RB030 and a.RB010 = b.RB010 and a.RHID = b.RHID)	a.RB240_F ge 0 and b.RB030 = .
306	Relationchip - Error: RB240 - The person cannot be his own spouse/partner	R	RB030 = RB240

#	Error/Warning	File(s) (join on)	Where
307	Relationchip - Error: PB160 PB170 PB180 - Parents and/or spouse/partner must be equal in R- and P-file	P,R(PB030 = RB030 and RB010 = PB010 and RHID = PHID)	((PB160_F ge 0 and PB160 ne RB220) or (PB170_F ge 0 and PB170 ne RB230) or (PB180_F ge 0 and PB180 ne RB240)) and RB030 ne .
310	Relationchip - Error: RB240 - The spouse/partner is not the same for both	R,R(a.RB240 = b.RB030 and a.RB010 = b.RB010 and a.RHID = b.RHID)	a.RB240_F > 0 and a.RB030 ne b.RB240
311	Relationchip - Error: RB240 - Parents of spouses/partners must be different	R,R(a.RB240 = b.RB030 and a.RB010 = b.RB010 and a.RHID = b.RHID)	(a.RB220_F ge 0 and a.RB220 = b.RB220) or (a.RB230_F ge 0 and a.RB230 = b.RB230)
312	Relationchip - Error: RB220 - Sex of father cannot be female	R,R(a.RB220 = b.RB030 and a.RB010 = b.RB010 and a.RHID = b.RHID)	b.RB090 = 2
313	Relationchip - Error: RB230 - Sex of mother cannot be male	R,R(a.RB230 = b.RB030 and a.RB010 = b.RB010 and a.RHID = b.RHID)	b.RB090 = 1
315	Relationchip - Warning: RB230 - Child should be at least 15 years younger than its mother	R,R(a.RB230 = b.RB030 and a.RB010 = b.RB010 and a.RHID = b.RHID)	a.RB230_F ge 0 and b.AGE - a.AGE < 15 and a.AGE ge 0 and b.AGE ge 0
320	Relationchip - Error: PB180 PB190 PB200 - Person has a spouse/partner but never married and no consensual union	P	PB180_F ge 0 and (PB190 = 1 and PB200 = 3)
501	Income - Error: HY030 - Gross and net value cannot be coded -5 both	H	HY030N_F = -5 and HY030G_F = -5
502	Income - Error: HY040 - Gross and net value cannot be coded -5 both	H	HY040N_F = -5 and HY040G_F = -5
503	Income - Error: HY050 - Gross and net value cannot be coded -5 both	H	HY050N_F = -5 and HY050G_F = -5
504	Income - Error: HY060 - Gross and net value cannot be coded -5 both	H	HY060N_F = -5 and HY060G_F = -5

#	Error/Warning	File(s) (join on)	Where
505	Income - Error: HY070 - Gross and net value cannot be coded -5 both	H	HY070N_F = -5 and HY070G_F = -5
506	Income - Error: HY080 - Gross and net value cannot be coded -5 both	H	HY080N_F = -5 and HY080G_F = -5
507	Income - Error: HY090 - Gross and net value cannot be coded -5 both	H	HY090N_F = -5 and HY090G_F = -5
508	Income - Error: HY100 - Gross and net value cannot be coded -5 both	H	HY100N_F = -5 and HY100G_F = -5
509	Income - Error: HY110 - Gross and net value cannot be coded -5 both	H	HY110N_F = -5 and HY110G_F = -5
510	Income - Error: HY120 - Gross and net value cannot be coded -5 both	H	HY120N_F = -5 and HY120G_F = -5
511	Income - Error: HY130 - Gross and net value cannot be coded -5 both	H	HY130N_F = -5 and HY130G_F = -5
512	Income - Error: HY140 - Gross and net value cannot be coded -5 both	H	HY140N_F = -5 and HY140G_F = -5
513	Income - Error: HY145 - Gross and net value cannot be coded -5 both	H	HY145N_F = -5 and HY140G_F = -5
520	Income - Error: PY010 - Gross and net value cannot be coded -5 both	P	PY010N_F = -5 and PY010G_F = -5
521	Income - Error: PY020 - Gross and net value cannot be coded -5 both	P	PY020N_F = -5 and PY020G_F = -5
522	Income - Error: PY035 - Gross and net value cannot be coded -5 both	P	PY035N_F = -5 and PY035G_F = -5
523	Income - Error: PY050 - Gross and net value cannot be coded -5 both	P	PY050N_F = -5 and PY050G_F = -5
524	Income - Error: PY070 - Gross and net value cannot be coded -5 both	P	PY070N_F = -5 and PY070G_F = -5
525	Income - Error: PY080 - Gross and net value cannot be coded -5 both	P	PY080N_F = -5 and PY080G_F = -5
526	Income - Error: PY090 - Gross and net value cannot be coded -5 both	P	PY090N_F = -5 and PY090G_F = -5
527	Income - Error: PY100 - Gross and net value cannot be coded -5 both	P	PY100N_F = -5 and PY100G_F = -5
528	Income - Error: PY110 - Gross and net value cannot be coded -5 both	P	PY110N_F = -5 and PY110G_F = -5
529	Income - Error: PY120 - Gross and net value cannot be coded -5 both	P	PY120N_F = -5 and PY120G_F = -5

#	Error/Warning	File(s) (join on)	Where
530	Income - Error: PY130 - Gross and net value cannot be coded -5 both	P	PY130N_F = -5 and PY130G_F = -5
531	Income - Error: PY140 - Gross and net value cannot be coded -5 both	P	PY140N_F = -5 and PY140G_F = -5
550	Income - Error: HY010 - No total household income , but components with income	H,P(HB030 = PHID and HB010 = PB010)	having HY010 = 0 and sum(HNETINC,HGROINC,PNETINC,PGROINC,0) ne 0 grouped by HB030,HB010
551	Income - Error: HY020 - No disposible household income , but components with income	H,P(HB030 = PHID and HB010 = PB010)	having HY020 = 0 and sum(HNETINC,PNETINC,0) ne 0 grouped by HB030,HB010
553	Income - Error: HY110 - Income received by people aged under 16 but no member under 16 in household	H,R(HB030 = RHID and HB010 = RB010)	sum(HY110N,HY110G,0) > 0 having min(AGE) ge 16 grouped by HB030,HB010
560	Income - Warning: HY010 - Great difference between total and components	H	HY010 > 0 and (HY010 < gross * 0.9 or HY010 > gross * 1.1)
565	Income - Error: HY020 - Must be equal or greater HY022	H	HY020 > 0 and HY022 > HY020
566	Income - Error: HY022- Must be equal or greater HY023	H	HY022 > 0 and HY023 > HY022
567	Income - Warning: HY020 - Great difference between total and components	H	HY020 > 0 and (HY020 < net20 * 0.9 or HY020 > net20 * 1.1)
570	Income - Warning: PY010 - Some months active as employee, but no income as employee	P	(sum(PL210_1,PL210_2,0) > 6) and PY010G_F < 1 and PY010N_F < 1
571	Income - Warning: PY050 - Some months active as self-employee, but no income as self-employee	P	(sum(PL210_3,PL210_4,0) > 6) and PY050G_F < 1 and PY050N_F < 1
572	Income - Warning: PY090 - Some months unemployed, but no income from unemployments benefits	P	PL210_5 > 6 and PY090G_F < 1 and PY090N_F < 1
573	Income - Warning: PY100 - Some months retired, but no income from old-age benefits	P	PL210_6 > 6 and PY100G_F < 1 and PY100N_F < 1
580	Income - Warning: Big difference in personal income from one year to the next year	P,P(a.PB030 = b.PB030)	a.PB010+1 = b.PB010 and (a.PL030 = b.PL030 and a.PL050 = b.PL050) and (a.PNETINC not between b.PNETINC * 0.5 and b.PNETINC * 1.5) and (abs(a.PNETINC - b.PNETINC) > 10000)
581	Income - Warning: PY010G - Big difference in income from one year to the next year	P,P(a.PB030 = b.PB030)	a.PB010+1 = b.PB010 and (b.PL160 =2 or b.PL160_F = -1) and (a.PY010G not between b.PY010G * 0.5 and b.PY010G * 1.5) and (abs(a.PY010G - b.PY010G) > 10000)
582	Income - Warning: PY010N - Big difference in income from one year to the next year	P,P(a.PB030 = b.PB030)	a.PB010+1 = b.PB010 and (b.PL160 =2 or b.PL160_F = -1) and (a.PY010N not between b.PY010N * 0.5 and b.PY010N * 1.5) and (abs(a.PY010N - b.PY010N) > 10000)
806	Labour - Error: PL... - Not non-selected respondant but code -3 is used	P	(PL140_F=-3 or PL160_F=-3 or PL170_F=-3 or PL180_F=-3 or PL190_F=-3 or PL200_F=-3) and SELRES ne 3
807	Labour - Error: PL... - Not non-selected respondant but code -3 is used	P	(PL210A_F=-3 or PL210B_F=-3 or PL210C_F=-3 or PL210D_F=-3 or PL210E_F=-3 or PL210F_F=-3 or PL210G_F=-3 or PL210H_F=-3 or PL210I_F=-3 or PL210J_F=-3 or PL210K_F=-3 or PL210L_F=-3) and SELRES ne 3

#	Error/Warning	File(s) (join on)	Where
811	Health - Error: PH... - Not non-selected respondant but code -3 is used	P	(PH010_F=-3 or PH020_F=-3 or PH030_F=-3) and SELRES ne 3

#	Error/Warning	File(s) (join on)	Where
Notes - Supplementary variables			
	AGE = age at end of income reference period		
	RHID, PHID = current HID		
	SELRES = RB245		
	HGROINC = sum(HY040G,HY050G,HY060G,HY070G,HY080G,HY090G,HY110G,0) [total gross]		
	HNINCS = sum(HY050,HY060,HY070,0) [social benefits]		
	HNETINC = sum(HY040,HNINCS,HY080,HY090,HY110,0) - sum(HY120,HY130,HY140,0) [total net]		
	PGROINC = sum(PY010G,PY020G,PY050G,PY090G,PY100G,PY110G,PY120G,PY130G,PY140G,0) [total gross]		
	PNINCS = sum(PY090,PY120,PY130,PY140,0) [social benefits without old-age]		
	PNINCP = sum(PY100,PY110,0) [old-age]		
	PNETINC = sum(PY010,PY020,PY050,PNINCS,PNINCP,0) [total net]		
	gross = HGROINC + sum(PGROINC) by household		
	net20 = HNETINC + sum(PNETINC) by household		
	Net Income is calculated with gross values if available !		
	Calendar of activities: number of months per year (_x: x = activity code)		
	PL210_1 PL210_2 PL210_3 PL210_4 PL210_5 PL210_6 PL210_7 PL210_8 PL210_9		