

CHECKLIST OF CARTOGRAPHIC SYMBOLS ON THE 1/25,000 SCALE MANUSCRIPT

Sheet No. 4348 VV
Checked by K. Usude.
Date: Dec / 23 / 08

Item	Code	O	M	Item	Code	O	M	Item	Code	O	M
Symbolized building	210101			Transmission lines	222011			Elevations of shorelines	410701		
Buildings expressed at true scale	210201			Transmission lines (hidden line)	222012			Access showing direction of river streams	410801		
Symbolized ruin	210301			Power transmission lines with wooden poles and reinforced poles	222013			Velocity value of flow	410803		
Ruins expressed at true scale	210401			Power transmission lines (hidden line)	222014			Velocity value of flow (true scale)	410901		
Yurt, chum	210501			Power transmission lines with metal and reinforced concrete poles	222015			Characteristics of river and canals (minimum)	410902		
Fire proofing building	210601			Power transmission lines (hidden line)	222016			Characteristics of river and canals (maximum)	411001		
Non-fire proofing building	210701			Stony, brickly walls and masonry fences	222017			Water gauges and tide gauges	411101		
Sparsely built-up areas	210801			Light fences for industrial, agricultural and socio-cultural objects	222018			Canals and ditches (less than 3m wide)	411102		
Newly constructing areas	210901			Boundary of other areas except vegetation and fields	222019			Canals and ditches (more than 3m wide)	411103		
Newly constructing areas	211001			Railways	310101			Canals and ditches (more than 10m wide)	411201		
Destroyed half-destroyed blocks	211201			Railway stations	310201			Integrative canals (ditches)	411301		
Plants, fences and walls without chimney	220101			Block points and clear points	310301			Water supplying facilities	411302		
Plants, fences and walls without chimney expressed at true scale	220201			Loading and unloading sites	310401			Water supplying facilities (single line)	411401		
Plants, fences and walls with chimney	220103			Blind alley of branch lines	310501			Dried up ditches (single line)	411402		
Area of plastic, factories and mills	220104			Branch lines	310502			Dried up ditches (double line)	411501		
Chimneys	220105			Culvert	310601			Forts expressed to true scale	411601		
Pit mounds of shafts and shafts in operation	220201			Embankments	310701			Bridges crossing small obstacles and culverts (less than 3m in height)	411602		
Pit mounds of shafts and shafts out of operation	220202			Cuttings	310801			Bridges crossing small obstacles and culverts (more than 3m in height)	411701		
Open-cast mining areas	220301			Automotive roads with improved pavement	320101			Bridges and elevated bridges (minimum)	411801		
Open-cast mining areas	220302			Automotive roads with pavement	320201			Impassable dam	411802		
Fuel and gas tanks	220401			Automotive roads without pavement	320301			Embankments (to scale)	411901		
Oil supply towers and gas stations	220402			Wide streets in the built-up areas	320302			Embankments (more than 10m wide)	411902		
Power stations (hydroelectric, thermal)	220601			Narrow streets in the built-up areas	320303			Reservoirs	412001		
Power transmission stations	220701			Roadside blank space	320304			Water pipes on the ground	412101		
Power transmission stations	220702			Earthen country road	320401			Wells	412201		
Area of power transmission stations	220703			Field and forestry roads	320501			Artesian wells and artesian deep-bored wells	412301		
Radio stations and television centers	220801			Foot paths	320601			Reservoirs and other water-storing facilities	412401		
Telestations, radio and radio-relay mast	220901			Foot bridges	320701			Fountainheads	412501		
Airports on land water	221001			Roads under-construction	320801			Equipped fountainheads	412601		
Main tower-typed architectures	221101			Embankments and cuttings	320901			Moorage without mooring facilities	412701		
Simple towers	221201			Parking areas	321101			Moorage with mooring facilities	412801		
The bathhouse, hotel	221301			Parking areas exposed to true scale	321102			Lighthouses	412901		
Area of bathhouse, hotel	221302			Boundary points between different water bodies	321301			Dried river beds and dried up lake basins	510301		
Livestock enclosures (minimum size)	221401			Walls of sea, rivers, lakes and reservoirs	410101			Dried river beds and dried up lake basins/ filled with pattern	510302		
Livestock enclosures (actual size)	221402			Coastal sand banks and shoals	410201			Dried river beds and dried up lake basins/ single line	510303		
Telegraph, radiotelegraph stations and branches, telephone exchanges	221501			Criffy and rocky shores	410301			Isolated trees, non landmark trees	610401		
Meteorological stations	221601			Permanent rivers and streams (less than 5m wide)	410401			Forest stumps, nurseries and saplings/less than 4m height	610501		
Churches	221701			Permanent rivers and streams (more than 5m wide)	410402			Thin woods	610701		
Mosques	221801			Permanent river and streams (more than 10m wide)	410403			Shrubs/point	610801		
Mazary, suburgan, obo	221901			Centerline of rivers	410404			Shrubs/point	610802		
Remarkable monuments and statues	222001			Hidden lines on rivers passing through lands	410405			Thorny bushes/point	610901		
Coneteries (minimum size)	221201			Hidden lines on rivers and streams (single line)	410501			Thorny bushes/filled with color and symbols	610902		
Coneteries (actual size)	221202			Dried up rivers and streams (double line)	410502			Coniferous trees	611001		
Gravestone (point)	221203			Waterfalls expressed to true scale	410601			Broad leaf trees	611002		
				Waterfalls/minimum	410602			Narrow shrub belts and hedges	611101		

Vegetations and Soils

Relife

Hydrography and its facilities

Vegetations and Soils

Relife

Hydrography and its facilities

Vegetations and Soils

Boundaries

Herbal plants/point
Reeds and other species bushes
Marshes/only to be used 1/25,000 scale map
Marshes
Marshes
Steppe plants
Semi-shrubs
Steppe plants
Semi-shrubs
Passable swamps
Passable swamps
Passable solonchak
Surfaces with hills
Hilly surfaces
Stony dispersions and angular stone surfaces
Stony surfaces
Stony surfaces/point
Stony surfaces/point
Conglomerate and gravel surfaces
Stony flats



* O → the number of omissions M → the number of misdescriptions

CHECKLIST OF CARTOGRAPHIC SYMBOLS ON THE 1/25,000 SCALE MANUSCRIPT

Date: Dec / 22 / 04

Checked by K. V. G.

Item	Code	O	M	Item	Code	O	M
Inhabited Areas	21001			Symbolized building	21001		
Buildings expressed at true scale	21002			Buildings expressed at true scale	21002		
Symbolized ruin	21003			Symbolized ruin	21003		
Ruins expressed at true scale	21004			Ruins expressed at true scale	21004		
Virt. ruin	21005			Virt. ruin	21005		
Fire proofing building	21006			Fire proofing building	21006		
Non-fire proofing building	21007			Non-fire proofing building	21007		
Sparsely built-up areas	21008			Sparsely built-up areas	21008		
Newly constructing areas	21100			Newly constructing areas	21100		
Newly constructing areas	21101			Newly constructing areas	21101		
Destroyed half-destroyed blocks	21120			Destroyed half-destroyed blocks	21120		
Plains, lacertae and mts without chimney	22011			Plains, lacertae and mts without chimney	22011		
Plains, lacertae and mts without chimney expressed at true scale	22012			Plains, lacertae and mts without chimney expressed at true scale	22012		
Plains, lacertae and mts with chimney	22013			Plains, lacertae and mts with chimney	22013		
Area of plants, lacertae and mts	22014			Area of plants, lacertae and mts	22014		
Chimneys	22015			Chimneys	22015		
Pit mounds of shafts and shafts in operation	22020			Pit mounds of shafts and shafts in operation	22020		
Pit mounds of shafts and shafts out of operation	22022			Pit mounds of shafts and shafts out of operation	22022		
Open-cast, mining areas	22030			Open-cast, mining areas	22030		
Open-cast, mining areas	22032			Open-cast, mining areas	22032		
Fuel and gas tanks	22040			Fuel and gas tanks	22040		
Area of fuel and gas tanks	22042			Area of fuel and gas tanks	22042		
Oil supply towers and gas stations	22050			Oil supply towers and gas stations	22050		
Power station (hydroelectric, thermal)	22060			Power station (hydroelectric, thermal)	22060		
Power transmission stations	22070			Power transmission stations	22070		
Power transmission stations	22072			Power transmission stations	22072		
Area of power transmission stations	22080			Area of power transmission stations	22080		
Radio stations and television centers	22090			Radio stations and television centers	22090		
Television, radio and radio relay masts	22100			Television, radio and radio relay masts	22100		
Main tower-typed architectures	22110			Main tower-typed architectures	22110		
Simple towers	22120			Simple towers	22120		
The hobhouse, hobbed	22130			The hobhouse, hobbed	22130		
Area of hobhouse, hobbed	22132			Area of hobhouse, hobbed	22132		
Livestock enclosures (minimum size)	22140			Livestock enclosures (minimum size)	22140		
Livestock enclosures (actual size)	22132			Livestock enclosures (actual size)	22132		
Telegraph, radiotelegraph stations and telephones, radiophone exchanges	22150			Telegraph, radiotelegraph stations and telephones, radiophone exchanges	22150		
Meteorological stations	22160			Meteorological stations	22160		
Churches	22170			Churches	22170		
Mosques	22180			Mosques	22180		
Masonry, subgrain, obo	22190			Masonry, subgrain, obo	22190		
Remarkable monuments and statues	22200			Remarkable monuments and statues	22200		
Cometes (minimum size)	22120			Cometes (minimum size)	22120		
Cometes (actual size)	22202			Cometes (actual size)	22202		
Gravestones (point)	22203			Gravestones (point)	22203		
Transmission lines	22220			Transmission lines	22220		
Transmission lines (hidden line)	22222			Transmission lines (hidden line)	22222		
Power transmission lines with wooden poles and reinforced poles	22230			Power transmission lines with wooden poles and reinforced poles	22230		
Power transmission lines (hidden line)	22232			Power transmission lines (hidden line)	22232		
Power transmission lines (with metal and reinforced concrete poles)	22240			Power transmission lines (with metal and reinforced concrete poles)	22240		
Power transmission lines (hidden line)	22242			Power transmission lines (hidden line)	22242		
Stony, brickly walls and masonry fences	22250			Stony, brickly walls and masonry fences	22250		
Light fences for national, agricultural and social-cultural objects	22260			Light fences for national, agricultural and social-cultural objects	22260		
Boundary of other areas except vegetation and soils	22262			Boundary of other areas except vegetation and soils	22262		
Railways	31010			Railways	31010		
Railway stations	31020			Railway stations	31020		
Block posts and clear posts	31030			Block posts and clear posts	31030		
Loading and unloading sites	31040			Loading and unloading sites	31040		
Blind alley of branch lines	31050			Blind alley of branch lines	31050		
Branch lines	31052			Branch lines	31052		
Culvert	31060			Culvert	31060		
Embankments	31070			Embankments	31070		
Cuttings	31080			Cuttings	31080		
Automotive roads with improved pavement	32010			Automotive roads with improved pavement	32010		
Automotive roads with pavement	32020			Automotive roads with pavement	32020		
Automotive roads without pavement	32030			Automotive roads without pavement	32030		
Wide access in the built-up areas	32032			Wide access in the built-up areas	32032		
Narrow access in the built-up areas	32033			Narrow access in the built-up areas	32033		
Roadside blank space	32034			Roadside blank space	32034		
Earthen country road	32040			Earthen country road	32040		
Field and forestry roads	32050			Field and forestry roads	32050		
Foot paths	32060			Foot paths	32060		
Foot bridges	32070			Foot bridges	32070		
Roads under-construction	32080			Roads under-construction	32080		
Embankments and cuttings	32090			Embankments and cuttings	32090		
Parking areas	32110			Parking areas	32110		
Parking areas expressed to true scale	32112			Parking areas expressed to true scale	32112		
Boundary points between different reservoirs	32130			Boundary points between different reservoirs	32130		
Water lines of sea, rivers, lakes and reservoirs	41010			Water lines of sea, rivers, lakes and reservoirs	41010		
Coastal sand banks and shoals	41020			Coastal sand banks and shoals	41020		
Criffs and rocky shores	41030			Criffs and rocky shores	41030		
Permanent river and streams (less than 5m wide)	41040			Permanent river and streams (less than 5m wide)	41040		
Permanent river and streams (more than 5m wide)	41042			Permanent river and streams (more than 5m wide)	41042		
Centrifuges of rivers	41044			Centrifuges of rivers	41044		
Hidden lines on rivers passing through lands	41045			Hidden lines on rivers passing through lands	41045		
Dried up rivers and streams (single line)	41050			Dried up rivers and streams (single line)	41050		
Dried up rivers and streams (double line)	41052			Dried up rivers and streams (double line)	41052		
Waterfalls expressed to true scale	41060			Waterfalls expressed to true scale	41060		
Waterfalls/minimum	41062			Waterfalls/minimum	41062		
Elevations of shorelines	41070			Elevations of shorelines	41070		
Arrows showing direction of river streams	41080			Arrows showing direction of river streams	41080		
Velocity value of flow/text	41082			Velocity value of flow/text	41082		
Velocity value of flow (curved line)	41083			Velocity value of flow (curved line)	41083		
Characteristics of rivers and canals (true scale)	41090			Characteristics of rivers and canals (true scale)	41090		
Characteristics of river and canals (minimum)	41092			Characteristics of river and canals (minimum)	41092		
Water gauges and tide gauges	41100			Water gauges and tide gauges	41100		
Canals and ditches (less than 10m wide)	41110			Canals and ditches (less than 10m wide)	41110		
Canals and ditches (more than 10m wide)	41112			Canals and ditches (more than 10m wide)	41112		
Canals and ditches (more than 10m wide)	41113			Canals and ditches (more than 10m wide)	41113		
Irrigation canals (ditches)	41120			Irrigation canals (ditches)	41120		
Water supplying facilities	41130			Water supplying facilities	41130		
Dried up ditches (single line)	41140			Dried up ditches (single line)	41140		
Dried up ditches (double line)	41142			Dried up ditches (double line)	41142		
Forts expressed to true scale	41150			Forts expressed to true scale	41150		
Bridges crossing small obstacles and culverts (less than 3m in length)	41160			Bridges crossing small obstacles and culverts (less than 3m in length)	41160		
Bridges crossing small obstacles and culverts (3m to 10m length)	41162			Bridges crossing small obstacles and culverts (3m to 10m length)	41162		
Bridges crossing small obstacles and culverts (more than 10m length)	41170			Bridges crossing small obstacles and culverts (more than 10m length)	41170		
Quays	41180			Quays	41180		
Impassable dam	41182			Impassable dam	41182		
Embankments (to scale)	41190			Embankments (to scale)	41190		
Embankments (flat-bottom)	41192			Embankments (flat-bottom)	41192		
Embankments on one side and both	41200			Embankments on one side and both	41200		
Water pipes on the ground	41210			Water pipes on the ground	41210		
Wells	41220			Wells	41220		
Artesian wells and artesian deep-bored wells	41230			Artesian wells and artesian deep-bored wells	41230		
Reservoirs and other water-storing facilities	41240			Reservoirs and other water-storing facilities	41240		
Fountainheads	41250			Fountainheads	41250		
Equipped fountainheads	41260			Equipped fountainheads	41260		
Moorage without mowing facilities	41270			Moorage without mowing facilities	41270		
Moorage with mowing facilities	41280			Moorage with mowing facilities	41280		
Dried river beds and dried up lake basins (double line)	51030			Dried river beds and dried up lake basins (double line)	51030		
Dried river beds and dried up lake basins/ filled with pattern	51032			Dried river beds and dried up lake basins/ filled with pattern	51032		
Dried river beds and dried up lake basins/ filled with pattern (more than 5m wide)	51070			Dried river beds and dried up lake basins/ filled with pattern (more than 5m wide)	51070		
Depressions/minimum	51080			Depressions/minimum	51080		
Depressions/actual scale	51082			Depressions/actual scale	51082		
Barrows and hills/minimum	51090			Barrows and hills/minimum	51090		
Barrows and hills/actual scale	51092			Barrows and hills/actual scale	51092		
Emancos of natural and artificial caves	51100			Emancos of natural and artificial caves	51100		
Fin fields and permanent snow patches	51110			Fin fields and permanent snow patches	51110		
Glacier tongues	51120			Glacier tongues	51120		
Glacier crevasses	51130			Glacier crevasses	51130		
Moraines	51140			Moraines	51140		
Debris flows	51150			Debris flows	51150		
Precipices and rock walls/upper line	51170			Precipices and rock walls/upper line	51170		
Precipices and rock walls/lower line	51172			Precipices and rock walls/lower line	51172		
Boundaries of fir fields	51179			Boundaries of fir fields	51179		
Turf-banked terraces	51199			Turf-banked terraces	51199		
Ice scarps /upper line	51200			Ice scarps /upper line	51200		
Ice scarps /lower line	51202			Ice scarps /lower line	51202		
Ice scarps /verts	51209			Ice scarps /verts	51209		
Ice scarps /minimum	51210			Ice scarps /minimum	51210		
Classic sediments of fragile strata (polygon)	51220			Classic sediments of fragile strata (polygon)	51220		
Classic sediments of hard strata (line)	51230			Classic sediments of hard strata (line)	51230		
Classic sediments of hard strata (parts)	51239			Classic sediments of hard strata (parts)	51239		
Land slides/upper line	51240			Land slides/upper line	51240		
Land slides/lower line	51242			Land slides/lower line	51242		
Canyons and gullies/vertical line	51250			Canyons and gullies/vertical line	51250		
Canyons and gullies/horizontal line	51252			Canyons and gullies/horizontal line	51252		
Escarpsments	51260			Escarpsments	51260		
Boundaries of vegetation and soils	61010			Boundaries of vegetation and soils	61010		
Dominant species trees in the forest (to scale)	61020			Dominant species trees in the forest (to scale)	61020		
Dominant species trees in the forest (flat-bottom)	61030			Dominant species trees in the forest (flat-bottom)	61030		
Dominant species trees in the forest (mixed)	61032			Dominant species trees in the forest (mixed)	61032		
Narrow forest belts and protective plantings	61040			Narrow forest belts and protective plantings	61040		
Isolated trees, non landmark trees	61050			Isolated trees, non landmark trees	61050		
Forest sumps, mires and saplings/less than 4m height	61060			Forest sumps, mires and saplings/less than 4m height	61060		
Thin woods	61070			Thin woods	61070		
Shrubs/point	61080			Shrubs/point	61080		
Shrubs/filled with color	61082			Shrubs/filled with color	61082		
Thorny bushes/point	61090			Thorny bushes/point	61090		
Thorny bushes/filled with color and symbols	61092			Thorny bushes/filled with color and symbols	61092		
Coniferous trees	61100			Coniferous trees	61100		
Broad leaf trees	61102			Broad leaf trees	61102		
Narrow shrub belts and hedges	61110			Narrow shrub belts and hedges	61110		

CHECKLIST OF CARTOGRAPHIC SYMBOLS ON THE 1/25,000 SCALE MANUSCRIPT

Sheet No. 43 48 8a

Checked by K. Usyden

Date: Dec / 22 / 04

6k

Item	Code	O	M	Item	Code	O	M	Item	Code	O	M	Item	Code	O	M		
Inhabited Areas	Symbolized building	210101			Herbal plants/point	611603		Herbal plants/point	611603			Herbal plants/point	611603				
	Buildings expressed at true scale	210201			Marshes/only to be used 1/25,000 scale map	611701		Marshes/only to be used 1/25,000 scale map	611701			Marshes	611801				
	Symbolized ruin	210301			Moraines	511401		Debris flows	511501			Precipites and rock walls/upper line	511702				
	Ruins expressed at true scale	210401			Vegetations and soils	611802		Precipites and rock walls/lower line	511799			Boundaries of firm fields	611901				
Industry, Agriculture and Socio-cultural Field Objects	Yurt, chum	210501			Relie	410701		Precipites and rock walls/upper line	511799			Turf-thanked terraces	511999				
	Fire proofing building	210601			Boundaries of firm fields	611901		Precipites and rock walls/lower line	511799			Semi-shrubs	611902				
	Non-fire proofing building	210701			Water gauges and tide gauges	411001		Ice scarp/s/upper line	512001			Steppe plants	611903				
	Sparsely built-up areas	210901			Canals and ditches	411101		Ice scarp/s/lower line	512002			Semi-shrubs	611904				
	Newly constructing areas	211001			Canals and ditches (firm 5m to 10m wide)	411102		Ice scarp/s/upper line	512001			Steppe plants	611903				
	Newly constructing areas	211101			Canals and ditches (more than 10m wide)	411103		Ice scarp/s/lower line	512002			Passable swamps	612001				
	Destroyed half-destroyed blocks	211201			Irrigation canals (ditches)	411201		Ice scarp/s/minimum	512101			Passable swamps	612002				
	Plants, forests and mills without chimney	220101			Water supplying facilities	411301		Classic sediments of fragile area	512201			Passable solonchak	612101				
	Plants, forests and mills without chimney expressed at true scale	220201			Water supplying facilities	411302		Classic sediments of hard area (polyton)	512201			Surfaces with hills	612101				
	Plants, factories and mills with chimney	220301			Dried up ditches (single line)	411401		Classic sediments of hard area (monoton)	512302			Hilly surfaces	612301				
	Plants, factories and mills with chimney	220401			Dried up ditches (double line)	411402		Classic sediments of hard area (part)	512399			Stony depressions and angular stone surfaces	612401				
	Area of plants, factories and mills	220501			Bridges expressed to true scale	411501		Land slides/upper line	512401			Stony surfaces	612402				
	Plum ponds of chalks and detrits in 100m scale	220601			Bridges crossing small obstacles and culverts (less than 3m in length)	411601		Land slides/lower line	512402			Stony surfaces/point	612403				
	Plum ponds of chalks and detrits out of operation	220701			Bridges crossing small obstacles and culverts (minimum)	411602		Canyons and gullies/vertical line	512501			Stony surfaces/point	612404				
	Open-cast mining areas	220801			Quay	411701		Canyons and gullies/horizontal line	512502			Conglomerates and gravel surfaces	612501				
	Open-cast mining areas	220901			Impassable dam	411801		Excursions	512601			Stony flats	612601				
	Fuel and gas tanks	220401			Embarkments	411802		Boundaries of vegetations and soils	610101			National boundaries	710101				
	Area of fuel and gas tanks	220501			Embarkments (to scale)	411901		Forests	610201			Boundaries of Autonomous S.S.R.	710201				
	Oil supply towers and gas stations	220601			Embarkments (minimum)	411902		Dominant species trees in the forest	610301			Districts and regions	710201				
	Power station/hydroelectric (local)	220701			Rivers, canals and ditches with installations on one side and both	412001		Dominant species trees in the forest	610302			Boundaries of national preserves	710301				
	Power transmission stations	220701			Water pipes on the ground	412101		Isolated trees, non landmark trees	610383								
	Power transmission stations	220702			Wells	412201		Forest stumps, stumps and saplings/less than 4m height	610601								
	Area of power transmission stations	220703			Ancient wells and artesian deep-bored wells	412301		Thin woods	610701								
	Radio stations and television centers	220801			Reservoirs and other water storing facilities	412401		Shrubs/point	610801								
	Television, radio and radio relay masts	220901			Fountainheads	412501		Shrubs/point	610801								
	Airports on land water	221001			Equipped fountainheads	412601		Shrubs/point	610801								
	Main tower-tyred architectures	221101			Moorage without mooring facilities	412701		Shrubs/point	610801								
	Simple towers	221201			Moorage with mooring facilities	412801		Shrubs/point	610801								
	The hydrobase, hatched	221301			Lighthouses	412901		Shrubs/point	610801								
	Area of hydrobase, hatched	221302			Dried river beds and dried up streams (double line)	510501		Shrubs/point	610801								
	Livestock enclosures (minimum size)	221401			Dried river beds and dried up streams (single line)	510502		Shrubs/point	610801								
	Livestock enclosures (actual size)	221402			Like basin/ filled with pattern	510503		Shrubs/point	610801								
Telegraph, radiotelegraph stations and branches, telephone exchanges	221501			Like basin/ single line	510504		Shrubs/point	610801									
Macroecological stations	221601			Prehistoric period	510801		Shrubs/point	610801									
Churches	221701			Depressions/actual scale	510802		Shrubs/point	610801									
Mosques	221801			Barrows and hills/minimum	510901		Shrubs/point	610801									
Mazary, suburbans, obo	221901			Barrows and hills/actual scale	510902		Shrubs/point	610801									
Remainable monuments and status	222001			Entrances of natural and artificial	511001		Shrubs/point	610801									
Ceneteries (minimum size)	222101			Fin fields and permanent snow patches	511101		Shrubs/point	610801									
Ceneteries (actual size)	222102			Glacier tongues	511201		Shrubs/point	610801									
Gravestones (point)	222103			Glacier crevasses	511301		Shrubs/point	610801									

Edge matching (7-3)
 (4348 vb) - 4348 - 89 - 4348 (gb)
 (4348) - 89 - 4348 (gv)

* O → the number of omissions M → the number of misdescriptions

CHECKLIST OF CARTOGRAPHIC SYMBOLS ON THE 1/25,000 SCALE MANUSCRIPT

OK

Checked by *K. Usida* Date: *Dec 1 22 104*

Sheet No. *43x8 gb*

Inhabited Areas	Code	O	M	M	M	M
Symbolized building	210101					
Buildings expressed at true scale	210201					
Symbolized ruin	210301					
Ruins expressed at true scale	210401					
Yurt, chum	210501					
Fire proofing building	210601					
Non-fire proofing building	210701					
Sparsely built-up areas	210901					
Newly constructing areas	211001					
Newly constructing areas	211101					
Destroyed half-destroyed blocks	211201					
Plants, factories and mills without chimney	220101					
Plants, factories and mills without chimney expressed at true scale	220201					
Plants, factories and mills with chimney	220301					
Area of plants, factories and mills	220401					
Chimneys	220501					
Pyrometric shafts and drills in operation	220601					
Pyrometric shafts and drills out of operation	220701					
Open-cast mining areas	220801					
Open-cast mining areas	220901					
Fuel and gas tanks	221001					
Area of fuel and gas tanks	221101					
Oil supply towers and gas stations	221201					
Power station (hydroelectric, thermal)	221301					
Power transmission stations	221401					
Power transmission stations	221501					
Area of power transmission stations	221601					
Radio stations and television centers	221701					
Television, radio and radio relay masts	221801					
Airports on land water	221901					
Main tower-typed architectures	222001					
Simple towers	222101					
The bell-tower, bell-shaped	222201					
Area of bell-tower, bell-shaped	222301					
Livestock enclosures (minimum size)	222401					
Livestock enclosures (actual size)	222501					
Telegraph, radiotelegraph stations and branches, telephone exchanges	222601					
Microtopographical stations	222701					
Churches	222801					
Mosques	222901					
Mazary, subargan, obelisk	223001					
Remarkable monuments and statues	223101					
Cimeteries (minimum size)	223201					
Cimeteries (actual size)	223301					
Gravestones (point)	223401					
Industry, Agriculture and Socio-cultural Field Objects						
Hydrography and its facilities						
Roads						
Railways						
Hydrography and its facilities						
Relife						
Hydrography and its facilities						
Relife						
Vegetations and Soils						
Boundaries						

* O → the number of omissions M → the number of misdescriptions

Edge matching

(+ =)

(43x8) ga
(43x8) gb

(+ =)

CHECKLIST OF CARTOGRAPHIC SYMBOLS ON THE 1/25,000 SCALE MANUSCRIPT

OK

Sheet No. 4348 g.v		Checked by K. Usuda		Date: Dec / 22 / 04			
Item	Code	O	M	Item	Code	O	M
Inhabited Areas				Vegetations and Soils			
Symbolized building	210101			Moraines	511401		
Buildings expressed at true scale	210201			Debris flows	511501		
Symbolized ruin	210301			Precipitous and rock walls/upper line	511701		
Ruins expressed at true scale	210401			Precipitous and rock walls/lower line	511702		
Yurt, chum	210501			Precipitous and rock walls/part	511799		
Fire proofing building	210601			Boundaries of firm fields	511801		
Non-fire proofing building	210701			Turf-banked terraces	511999		
Sparsely built-up areas	210801			Ice scarp / upper line	512001		
Newly constructing areas	211001			Ice scarp / lower line	512002		
Newly constructed areas	211101			Ice scarp / part	512099		
Destroyed half-destroyed blocks	211201			Ice scarp / minimum	512101		
Plants, factories and mills without chimney	220101			Classic sediments of fragile strata	512201		
Plants, factories and mills without chimney expressed at true scale	220102			Classic sediments of hard strata (polygon)	512301		
Plants, factories and mills with chimney	220103			Classic sediments of hard strata (line)	512302		
Area of plants, levees and mills	220104			Classic sediments of hard strata (part)	512399		
Chimneys	220105			Land slide / upper line	512401		
Fire mounds of shells and debris in operation	220201			Land slide / lower line	512402		
Fire mounds of shells and debris out of operation	220202			Canyon and gullies/vertical line	512501		
Open-cast mining areas	220301			Canyon and gullies/horizontal line	512502		
Open-cast mining areas	220302			Escarpments	512601		
Fuel and gas tanks	220401			Boundaries of vegetation and soils	610101		
Area of fuel and gas tanks	220402			Boundaries of Autonomous SSR	610201		
Oil supply towers and gas stations	220501			Dominant species trees in the forest	610301		
Power substation (hydroelectric, thermal)	220601			Dominant species trees in the forest	610302		
Power transmission stations	220701			Dominant species trees in the forest / mixed	610303		
Power transmission stations	220702			Narrow forest belts and protective plantings	610401		
Area of power transmission stations	220703			Isolated trees, non landmark trees	610501		
Radio stations and television centers	220801			Forest swamps, meadows and springs/less than 4m height	610601		
Television, radio and radio relay masts	220901			Thin woods	610701		
Airports on land water	221001			Shrub / point	610801		
Main tower-typed architectures	221101			Shrub / filled with color	610802		
Simple towers	221201			Thorny bushes / point	610901		
The bobhouse, bobbed	221301			Thorny bushes / filled with color and symbols	610902		
Area of bobhouse, bobbed	221302			Coniferous trees	611001		
Livestock enclosures (minimum size)	221401			Broad leaf trees	611002		
Livestock enclosures (actual size)	221302			Narrow shrub belts and hedges	611101		
Telegraph, radiotelegraph stations and branches, telephone exchanges	221501			Creeping shrubs / point and symbols	611201		
Meteorological stations	221601			Creeping shrubs / filled with color and symbols	611202		
Churches	221701			Fruits and citrus gardens	611301		
Mosques	221801			Vineyards	611401		
Mazary, subghar, oho	221901			Fruits and citrus gardens with vineyards	611402		
Remarkable monuments and statues	222001			Berry gardens	611501		
Centimeters (minimum size)	222101			Fruit-berry gardens	611502		
Centimeters (actual size)	222102			Herbal plants/polygon	611601		
Gravestones (point)	222103			Herbal plants/polygon	611602		
				Vegetations and Soils			
				Elevations of shorelines	410701		
				Arrows showing direction of river streams	410801		
				Velocity value of flow/hatch	410802		
				Velocity value of flow	410803		
				Characteristics of rivers and canals (true scale)	410901		
				Characteristics of river and canals (minimum)	410902		
				Water gauges and tide gauges	411001		
				Canals and ditches	411101		
				Canals and ditches (form 3m to 10m wide)	411102		
				Canals and ditches (more than 10m wide)	411103		
				Irrigation canals (ditches)	411201		
				Water supplying facilities	411301		
				Water supplying facilities (single line)	411302		
				Dried up ditches (double line)	411401		
				Dried up ditches (double line)	411402		
				Fretts expressed to true scale	411501		
				Bridges crossing small obstacles and culverts (less than 3m in length)	411601		
				Bridges crossing small obstacles and culverts (minimum)	411602		
				Bridges with elevated bridges (minimum)	411701		
				Quays	411801		
				Impassable dam	411802		
				Embankments (to scale)	411901		
				Embankments (minimum)	411902		
				Embankments and ditches with embankments on one side and bush	412001		
				Water pipes on the ground	412101		
				Wells	412201		
				Artesian wells and artesian deep-bored wells	412301		
				Reservoirs and other water storage facilities	412401		
				Fountainheads	412501		
				Equipped fountainheads	412601		
				Moorage without mooring facilities	412701		
				Moorage with mooring facilities	412801		
				Lighthouses	412901		
				Dried river beds and dried up lake basins	510301		
				Dried river beds and dried up lake basins / filled with pattern	510302		
				Dried river beds and dried up lake basins / single line	510303		
				Dried river beds and dried up lake basins / double line	510701		
				Depressions/minimum	510801		
				Depressions/actual scale	510802		
				Barrows and hills/minimum	510901		
				Barrows and hills/actual scale	510902		
				Embankments of natural and artificial caves	511001		
				Pin fields and permanent snow patches	511101		
				Glacier longages	511201		
				Glacier crevasses	511301		
				Reliefs			
				Hydrography and its facilities			
				Transmission lines	222201		
				Transmission lines (hidden line)	222202		
				Power transmission lines with wood poles and reinforced poles	222301		
				Power transmission lines (hidden line)	222302		
				Power transmission lines with metal poles	222401		
				Power transmission lines (hidden line)	222402		
				Stony, brickly walls and meane fences	222501		
				Light fences for industrial, agricultural and social-cultural objects	222601		
				Boundary of other areas except vegetation and soils	222602		
				Railways	310101		
				Railway stations	310201		
				Block posts and clear posts	310301		
				Loading and unloading sites	310401		
				Blind alley of branch lines	310501		
				Branch lines	310502		
				Culvert	310601		
				Embankments	310701		
				Cuttings	310801		
				Automotive roads with improved pavement	320101		
				Automotive roads without pavement	320201		
				Wide streets in the built-up areas	320301		
				Narrow streets in the built-up areas	320302		
				Roadside blank space	320304		
				Earthen country road	320401		
				Field and forestry roads	320501		
				Foot paths	320601		
				Foot bridges	320701		
				Roads under-construction	320801		
				Embankments and cuttings	320901		
				Parking areas	321101		
				Parking area expressed to true scale	321102		
				Boundary points between different types of roads	321301		
				Water lines of sea, rivers, lakes and reservoirs	410101		
				Coastal sand banks and shoals	410201		
				Criffy and rocky shores	410301		
				Permanent river and streams (less than 5m wide)	410401		
				Permanent rivers and streams (more than 5m wide)	410402		
				Intermittent rivers and streams (more than 30m wide)	410403		
				Concentric lines of rivers	410404		
				Islands (line on rivers passing through)	410405		
				Dried up rivers and streams (single line)	410501		
				Dried up rivers and streams (double line)	410502		
				Waterfalls expressed to true scale	410601		
				Waterfalls/minimum	410602		

Edge matching

(4348) 8a

(4348) 8a

(4348) 8a

(72)

* O → the number of omissions M → the number of misdescriptions

CHECKLIST OF CARTOGRAPHIC SYMBOLS ON THE 1/25,000 SCALE MANUSCRIPT

Sheet No. 4348 gg

OK

Checked by K. Usman

Date: Dec / 24 / 04

Item	Code	O	M	Item	Code	O	M	Item	Code	O	M
Inhabited Areas	210101			Symbolized building	410701			Mansions	511401		
	210201			Buildings expressed at true scale	410801			Debris flows	511501		
	210301			Symbolized ruin	410802			Precipices and rock walls/upper line	511701		
	210401			Ruins expressed at true scale	410901			Precipices and rock walls/lower line	511702		
	210501			Yurt, chum	410902			Precipices and rock walls/parts	511799		
	210601			Fire proofing building	411001			Boundaries of firm fields	511801		
	210701			Non-fire proofing building	411101			Turf-banked terraces	511999		
	210901			Sparsely built-up areas	411102			Ice scarp/s /upper line	512001		
	211001			Newly constructing areas	411103			Ice scarp/s /lower line	512002		
	211101			Newly constructing areas	411201			Ice scarp/s /parts	512099		
	220101			Destroyed half-destroyed blocks	411202			Ice scarp/s /minimum	512101		
	220101			Plots, fences and walls without chimney	411301			Classic sediments of fragile strata	512201		
	220102			Plots, fences and walls with chimney expressed at true scale	411302			Classic sediments of hard strata (polygon)	512301		
	220103			Plots, fences and walls with chimney	411401			Classic sediments of hard strata (line)	512302		
	220104			Area of plants, factories and mills	411402			Classic sediments of hard strata (parts)	512399		
	220105			Chimneys	411501			Land slides/upper line	512401		
	220201			Pit mounds of shafts and drills in operation	411601			Land slides/over line	512402		
	220202			Pit mounds of shafts and drills out of operation	411602			Canyons and gullies/vertical line	512501		
	220301			Open-cast mining areas	411701			Canyons and gullies/horizontal line	512502		
	220302			Open-cast mining areas	411801			Escarpments	512601		
	220401			Fuel and gas tanks	411802			Boundaries of vegetations and soils	610101		
	220402			Area of fuel and gas tanks	411901			Forests	610201		
	220501			Oil supply towers and gas stations	411902			Deciduous species trees in the forest	610301		
	220601			Power station/electric, thermal	412001			Dominant species trees in the forest /deciduous	610302		
	220701			Power transmission stations	412101			Dominant species trees in the forest /mixed forest belts and protective plantings	610401		
	220702			Power transmission stations	412201			Isolated trees, nest landmark trees	610501		
	220801			Area of power transmission stations	412301			Forest swamps, meadows and saplings/less than 4m height	610601		
	220802			Radio stations and television centers	412401			Thin woods	610701		
	220901			Television, radio and radio relay masts	412501			Shrubs/point	610801		
	221001			Airports on land water	412601			Shrubs/line with color	610802		
	221101			Main tower-typed architectures	412701			Thorny bushes/point	610901		
	221201			Simple towers	412801			Thorny bushes/line with color and symbols	610902		
	221301			The hoboises, hothel	510501			Coniferous trees	611001		
	221302			Area of hoboises, hothel	510502			Broad leaf trees	611002		
	221401			Livestock enclosures (minimum size)	510503			Narrow shrub belts and hedges	611101		
	221302			Livestock enclosures (actual size)	510701			Creeping shrubs/point	611201		
	221501			Telegraph, radio-telegraph stations and branches, telephone exchanges	510801			Creeping shrubs/line with color and symbols	611202		
	221601			Meteorological stations	510802			Fruits and citrus gardens	611301		
	221701			Churches	510901			Vineyards	611401		
	221801			Mosques	510902			Peas and citrus gardens with vineyards	611402		
	221901			Mazary, subgrain, obo	511001			Berry gardens	611501		
	222001			Remarkable monuments and statues	511101			Fruits-berry gardens	611502		
	222101			Cemeteries (minimum size)	511201			Herbal plants/polygon	611601		
	222102			Cemeteries (actual size)	511301			Herbal plants/polygon	611602		
	222103			Gravestones (point)							
Industry, Agriculture and Socio-cultural Field Objects				Industry, Agriculture and Socio-cultural Field Objects				Vegetations and Soils			
				Industry, Agriculture and Socio-cultural Field Objects				Vegetations and Soils			
				Industry, Agriculture and Socio-cultural Field Objects				Boundaries			

Edge matching
 (4348) (gp)
 (4348) (gp)
 (4348) (gp)
 (4348) (gp)

* O → the number of omissions M → the number of misdescriptions