UNITED NATIONS
DEPARTMENT OF ECONOMIC AND SOCIAL AFFAIRS

STATISTICS DIVISION
TRADE STATISTICS BRANCH

TASK FORCE ON INTERNATIONAL MERCHANDISE TRADE STATISTICS
Rome, 17-19 April 2007

item 5(c) of the provisional agenda

Correspondences between the Classifications of HS, SITC and BEC

Report by UNSD

1. Correlation tables between HS07 and SITC, Rev.4 on one hand and SITC, Rev.4 and SITC, Rev.3 on the other have been prepared by UNSD to assist countries in conversion of trade data into the SITC classifications. While the correlation between SITC, Rev.4 and HS07 is shown in the main body of Series M No. 34, the correlations of HS07 to SITC, Rev.4, SITC, Rev.4 to SITC, Rev.3 and SITC, Rev.3 to SITC, Rev.4 are given in Appendices I, II and III of the same publication.

2. HS07 has 5052 6-digit subheadings and SITC, Rev. 4 has 2970 basic headings. With the exception of HS07 subheadings 7108.20 and 7108.90 (outside the scope of SITC, Rev.4) and SITC, Rev.4 basic headings 911.0 and 931.0 (not defined in terms of HS07), all HS07 subheadings are correlated to SITC, Rev.4 basic headings.

3. To help compilers even more in the construction and maintenance of time series, UNSD also made available the correlation tables of HS02 to SITC, Rev.4 and its reverse of SITC, Rev.4 to HS02.

HS07 and BEC

4. UNSD has prepared a draft correlation table between HS07 and the *Classification by Broad Economic Categories* (BEC) which was constructed as a mechanical transposition of the correlation between HS02 and BEC based on the correlation table between HS07 and HS02, as derived from WCO documents NG0099B1a and NC0950B1a.

5. Following that procedure, the HS07-BEC correlation showed split correlations for 37 HS07 subheadings. In other words, for each of these 37 HS07 subheadings there was

more than one corresponding BEC code. These splits occur when a single HS07 subheading is correlated to two or more HS02 subheadings which, in turn, are correlated to two or more different BEC basic categories.

6. To take a decision on which of the multiple BEC categories would be the most appropriate for each HS07 subheading, world trade import values were extracted for the HS02 subheadings that correspond to the 37 HS07 subheadings involved in this issue. Details of the 37 splits and the corresponding values are given in Annex 1.

7. In summary, we can say the following:

(i) There are 37 cases where HS07 consists of a multiple of HS02 headings and where a split decision is necessary with respect to BEC.

(ii) In 26 of those cases, one BEC category has a world imports value of more than 75% of the value of the HS07 code (based on HS02 codes for 2005).

(iii) In 3 more cases (8443.91, 8523.52 and 9006.52) there was no clear value difference in 2005, but 2003 or 2004 showed a 75% value in favor of one particular BEC code.

(iv) In case of 8801.00 [Balloons and dirigibles; gliders, hang gliders and other non-powered aircraft] the decision can be taken that from the description of the heading Transport equipment, not meant for industrial use (BEC 522) is more appropriate than Transport equipment for industrial use (BEC 521).

(v) The 7 remaining cases have to do with HS07 headings 8519 [Sound recording or reproducing apparatus] and 8523 [Discs, tapes, solid-state non-volatile storage devices, "smart cards" and other media for the recording of sound or of other phenomena, whether or not recorded, including matrices and masters for the production of discs, but excluding products of Chapter 37]. In case of 8519 the BEC decision is between Capital Equipment (41) or Durable Consumption Goods (61). In case of 8523, the BEC decision is mostly between Parts of Capital equipment (42) and Semi-durable Consumption Goods (62). Since the intention of use is not really known, a decision cannot be forced here, and it is up to the user to decide which might be the most appropriate BEC category in specific cases.

8. Proposals for a new work programme regarding BEC will be tabled at the next meeting of the Expert Group on International Economic and Social Classifications in April 2007. BEC will be reviewed to ensure that its current structure relating to transportable goods is still appropriate. Also the correlation table between the BEC categories and subheadings of *Harmonized Commodity Description and Coding System*, 2007 edition, will be reviewed by the Expert Group. In addition, a possible extension of the BEC to services products and the development of a link between the BEC and the Central Product Classification (CPC) will be considered.

Annex 1

World Import Values by selected HS02 subheadings

Split correlations and value (in million US dollars) of trade in percent (2005) by BEC code

HS02 Code	Period 2003	2004	2005	HS07		BEC4	2005 values (in percent)
1207.30	6.32	6.76	3.80	1207.99		21	
1207.99	196.83	249.04	254.04	1207.99		21	83
1207.10	19.60	34.35	40.82	1207.99		111	
1207.60	17.77	16.79	12.33	1207.99		111	17
3104.10	9.49	18.90	41.93	3104.90		21	15
3104.90	162.49	217.93	233.80	3104.90		22	85
4204.00	27.54	31.97	39.94	4205.00		42	3
4205.00	1,296.83	1,614.17	1,500.19	4205.00		62	97
4811.10	175.33	241.64	240.46	4811.10		22	98
4815.00	4.38	5.12	5.10	4811.10	ex	61	2
4811.51	2,156.62	2,495.88	2,451.58	4811.51		22	100
4815.00	4.38	5.12	5.10	4811.51	ex	61	0
4811.59	3,160.13	3,709.89	3,744.25	4811.59		22	100
4815.00	4.38	5.12	5.10	4811.59	ex	61	0
4811.60	327.30	399.26	425.54	4811.60		22	99
4815.00	4.38	5.12	5.10	4811.60	ex	61	1
4811.90	2,863.11	3,438.16	3,574.29	4811.90		22	100
4815.00	4.38	5.12	5.10	4811.90	ex	61	0
4823.12	442.52	502.79	562.01	4823.90	ex	22	
4823.19	209.00	245.73	227.40	4823.90	ex	22	
4823.90	2,609.44	2,601.72	2,581.82	4823.90		22	100
4815.00	4.38	5.12	5.10	4823.90	ex	61	0
6117.20	17.75	21.23	23.58	6117.80		62	6
6117.80	274.67	330.51	348.69	6117.80		63	94
7417.00	22.37	27.13	31.57	7418.19	ex	61	18
7418.19	129.68	134.55	141.03	7418.19		62	82
7419.99	1,460.42	1,847.11	1,994.12	7419.99	ex	22	
7414.20	14.19	20.39	25.61	7419.99		22	
7414.90	31.45	35.66	43.93	7419.99		22	
7416.00	41.54	50.94	46.02	7419.99		22	99

7417.00	22.37	27.13	31.57	7419.99	ex	61	1
8443.60	801.85	1,060.19	1,256.77	8443.91	ex	41	28
8443.90	2,485.82	2,902.33	3,218.78	8443.91	ex	42	72
8443.60	801.85	1,060.19	1,256.77	8443.99	ex	41	1
8443.90	2,485.82	2,902.33	3,218.78	8443.99	ex	42	
8473.30	134,916.54	159,572.00	175,742.80	8443.99	ex	42	
8473.40	2,821.28	3,522.21	3,951.66	8443.99	ex	42	
8473.50	1,157.55	1,719.33	1,979.91	8443.99	ex	42	
8517.90	19,748.95	24,448.01	28,105.34	8443.99	ex	42	
9009.91	353.36	379.89	433.09	8443.99		42	
9009.92	98.98	135.58	155.46	8443.99		42	
9009.93	141.30	181.99	210.95	8443.99		42	
9009.99	6,456.94	7,495.27	7,654.49	8443.99		42	99
8479.89	21,558.21	33,952.54	34,096.57	8508.19	ex	41	87
8509.10	3,872.21	4,691.56	5,189.63	8508.19	ex	61	13
8479.89	21,558.21	33,952.54	34,096.57	8508.60	ex	41	95
8509.80	1,758.16	1,826.03	1,848.39	8508.60		61	5
8509.90	1,058.26	1,158.06	1,227.66	8508.70	ex	22	9
8479.90	7,810.48	11,598.21	11,899.76	8508.70	ex	42	91
8519.10	16.45	18.06	12.16	8519.20		41	0
8519.99	5,051.35	5,325.93	5,287.05	8519.20	ex	61	100
8519.40	12.51	14.67	17.24	8519.81	ex	41	
8520.90	1,809.81	4,507.87	9,159.70	8519.81	ex	41	
8520.10	42.33	38.94	38.66	8519.81		41	
8520.32	183.77	205.46	210.17	8519.81		41	
8520.33	406.69	359.70	260.94	8519.81		41	
8520.39	37.78	45.51	55.12	8519.81		41	63
8519.99	5,051.35	5,325.93	5,287.05	8519.81	ex	61	
8519.92	90.92	58.15	263.14	8519.81		61	
8519.93	220.07	191.96	126.99	8519.81		61	37
8519.40	12.51	14.67	17.24	8519.89	ex	41	
8520.90	1,809.81	4,507.87	9,159.70	8519.89	ex	41	63
8519.99	5,051.35	5,325.93	5,287.05	8519.89	ex	61	
8519.21	18.65	18.89	18.97	8519.89		61	
8519.29	33.84	27.05	26.60	8519.89		61	37
8524.60	51.64	70.17	63.72	8523.21		42	26
8523.30	136.54	161.52	177.61	8523.21		62	74
8524.91	2,255.96	2,325.90	2,376.46	8523.29	ex	42	44
8524.99	2,232.40	2,643.27	2,421.15	8523.29	ex	42	
8524.40	272.42	271.10	243.05	8523.29		42	

8524.51	112.52	112.41	79.20	8523.29		42	
8524.52	54.36	48.44	29.68	8523.29		42	
8524.53	499.28	422.22	323.65	8523.29		42	
8523.11	559.40	491.55	410.87	8523.29		62	
8523.12	471.00	500.77	509.73	8523.29		62	
8523.13	3,447.93	3,241.39	2,934.64	8523.29		62	
8523.20	1,912.26	2,174.82	3,253.47	8523.29		62	56
8524.91	2,255.96	2,325.90	2,376.46	8523.40	ex	42	
8524.99	2,232.40	2,643.27	2,421.15	8523.40	ex	42	13
8523.90	5,598.95	9,121.03	11,889.89	8523.40	ex	62	
8524.31	3,533.90	3,927.16	4,740.18	8523.40		62	
8524.32	2,353.11	2,601.96	2,700.71	8523.40		62	
8524.39	9,806.48	11,861.49	12,901.46	8523.40		62	87
8524.91	2,255.96	2,325.90	2,376.46	8523.51	ex	42	
8524.99	2,232.40	2,643.27	2,421.15	8523.51	ex	42	29
8523.90	5,598.95	9,121.03	11,889.89	8523.51	ex	62	71
8543.89	11,623.80	16,904.52	17,066.15	8523.52	ex	41	38
8542.90	18,111.28	19,313.29	19,473.43	8523.52	ex	42	
8543.90	2,926.35	3,704.03	4,218.70	8523.52	ex	42	
8542.10	4,248.00	4,765.45	4,499.67	8523.52		42	62
8543.81	210.37	299.94	406.44	8523.59		41	2
8524.91	2,255.96	2,325.90	2,376.46	8523.59	ex	42	
8524.99	2,232.40	2,643.27	2,421.15	8523.59	ex	42	28
8523.90	5,598.95	9,121.03	11,889.89	8523.59	ex	62	70
8524.91	2,255.96	2,325.90	2,376.46	8523.80	ex	42	
8524.99	2,232.40	2,643.27	2,421.15	8523.80	ex	42	
8524.10	167.04	168.31	160.41	8523.80		42	29
8523.90	5,598.95	9,121.03	11,889.89	8523.80	ex	62	71
8525.30	1,833.27	2,858.67	3,327.51	8525.80		41	9
8525.40	22,459.15	30,578.99	32,355.47	8525.80		61	91
8528.13	311.47	249.18	203.52	8528.71	ex	41	0
8528.12	26,014.82	35,258.32	42,874.96	8528.71	ex	61	100
6909.19	638.02	846.06	1,019.71	8536.70	ex	22	
7419.91	238.45	333.55	351.53	8536.70	ex	22	
7419.99	1,460.42	1,847.11	1,994.12	8536.70	ex	22	10
3926.90	23,541.11	27,741.66	30,195.04	8536.70	ex	62	90
8801.90	23.37	21.57	39.66	8801.00		521	66
8801.10	17.91	23.52	20.13	8801.00		522	34
9006.20	18.60	22.15	24.40	9006.52	ex	41	52
9006.52	142.77	67.64	22.76	9006.52		61	48

9006.20	18.60	22.15	24.40	9006.53	ex	41	2
9006.53	2,703.62	1,999.36	1,305.87	9006.53		61	98
9006.20	18.60	22.15	24.40	9006.59	ex	41	4
9006.59	552.34	508.71	527.39	9006.59		61	96
9209.20	13.12	10.23	8.81	9209.99		22	
9209.93	26.24	26.19	24.61	9209.99		22	
9209.99	269.88	327.47	362.92	9209.99		22	93
9209.10	29.91	30.58	28.43	9209.99		61	7
9306.10	56.78	37.20	52.81	9306.30		42	12
9306.30	311.82	441.87	402.47	9306.30		7	88
9502.91	216.41	184.55	198.26	9503.00		22	
9502.99	127.70	105.29	94.47	9503.00		22	1
9501.00	935.99	1,088.43	1,128.21	9503.00		62	
9502.10	2,809.58	2,618.92	2,641.41	9503.00		62	
9503.10	462.33	509.79	553.93	9503.00		62	
9503.30	1,397.60	1,821.09	1,925.47	9503.00		62	
9503.41	3,569.10	3,666.55	3,520.65	9503.00		62	
9503.49	2,449.88	2,463.64	2,669.91	9503.00		62	
9503.50	427.20	478.14	532.19	9503.00		62	
9503.60	321.99	381.81	454.17	9503.00		62	
9503.70	2,929.29	3,273.14	3,447.78	9503.00		62	
9503.80	2,121.52	2,533.58	2,429.20	9503.00		62	
9503.90	8,774.36	9,416.07	9,849.33	9503.00		62	96
9503.20	809.66	869.60	831.45	9503.00		63	3