

## Annex C

### List of Scientific Committee Papers

#### SC/61/AWMP

1. BREIWICK, J.M., PUNT, A.E., RUGH, D.J., LAAKE, J.L. and HOBBS, R.C. Revised methods for estimating abundance of the eastern North Pacific stock of gray whales. 10pp.
2. BRANDON, J.R. and PUNT, A.E. Assessment of the eastern stock of North Pacific gray whales: incorporating calf production, sea-ice and strandings data. 29pp.
3. BRANDON, J.R. and PUNT, A.E. Testing the Gray Whale *SLA*: allowing environmental variability to influence population dynamics. 14pp.
4. HEIDE-JØRGENSEN, M.P., WITTING, L., LAIDRE, K.L. and HANSEN, R.G. Revised estimates of minke whale abundance in West Greenland in 2007. 19pp.
5. WITTING, L. and SCHWEDER, T. Lower confidence bound on population status from catch sex ratio: applied to minke whales off West Greenland. 34pp.
6. CLAPHAM, P.J. and KENNEDY, A.S. Calculation of the yield of meat and other products from fin and minke whales taken in Greenland. 6pp.
7. BRANDAO, A. and BUTTERWORTH, D.S. Yet further results for lower confidence limits for the abundance of West Greenland minke whales. 28pp.
8. WITTING, L. Yield and need conversion in the Greenland take of minke and fin whales. 3pp.

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1. RITTER, F. Collisions of sailing vessels with cetaceans worldwide: first insights into a seemingly growing problem. 13pp.
2. PANIGADA, S. and LEAPER, R. Ship strikes in the Mediterranean Sea: assessment and identification of mitigation measures. 5pp.
3. ROBBINS, J., LANDRY, S. and MATTILA, D.K. Estimating entanglement mortality from scar-based studies. 4pp.
4. MARCONDES, M.C.C. and ENGEL, M.H. Ship strikes with humpback whales in Brazil. 7pp.
5. FÉLIX, F. A new case of ship strike with a Bryde's whale in Ecuador. 5pp.
6. GAUFFIER, P., VERBOUGH, P., ANDREU, E., ESTEBAN, R., MEDINA, B., GALLEGO, P. and DE STEPHANIS, R. An update on fin whales (*Balaenoptera physalus*) migration through intense maritime traffic in the Strait of Gibraltar. 4pp.
7. BROWNELL, R.L., VERNAZZANI, B.G. and CARLSON, C.A. Vessel collision with a large whale off southern Chile. 6pp.
8. STEEL, D., FUNAHASHI, N., HAMNER, R.M. and BAKER, C.S. Market surveys of whale meat in Japan 2008-2009: how many fin whales are for sale? 6pp.
9. LEAPER, R. and DONOVAN, G.P. Update on the IWC ship strike database. 3pp.

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1. GIVENS, G.H. Spatio-temporal modeling of relative animal density using a long time series of line transect surveys with clustering and censoring. 18pp.
2. WIIG, Ø., BACHMANN, L., ØIEN, N., KOVACS, K.M. and LYDERSEN, C. Observations of bowhead whales (*Balaena mysticetus*) in the Svalbard area 1940-2008. 5pp.
3. KOSKI, W.R., FUNK, D.W., IRELAND, D.S., LYONS, C., CHRISTIE, K., MACRANDER, A.M. and BLACKWELL, S.B. An update to feeding by bowhead whales near an offshore seismic survey in the central Beaufort Sea. 24pp.
4. IRELAND, D.S., KOSKI, W.R., THOMAS, T.A., BELAND, J., REISER, C.M., FUNK, D.W. and MACRANDER, A.M. Updated distribution and relative abundance of cetaceans in the eastern Chukchi Sea 2006-8. 14pp.
5. LITOVKA, D.I. and BLOKHIN, S.A. Investigations of eastern gray whales *Eschrichtius robustus* (Lilljeborg, 1861), taken in Mechigmensky Bay, 2007-2008. 16pp.
6. SUYDAM, R., GEORGE, J.C., ROSA, C., PERSON, B., HANNS, C., SHEFFIELD, G. and BACON, J. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2008. 6pp.
7. BICKHAM, J.W., HUEBINGER, R.M., PHILLIPS, C.D., PATTON, J.C., LEDUC, R., POSTMA, L.D., GEORGE, J.C. and SUYDAM, R. Assessing molecular substitution patterns in the mitochondrial control region compared to protein coding genes in two marine mammals. 14pp.
8. BURDIN, A.M., TSIDULKO, G.A., SIDORENKO, M., BRADFORD, A.L., WELLER, D.W. and BROWNELL, R.L. Status of gray whales off northeastern Sakhalin Island, Russia, in 2008. 7pp.
9. WELLER, D.W., BRADFORD, A.L., BURDIN, A.M. and BROWNELL, R.L., JR. The incidence of killer whale tooth rakes on western gray whales off Sakhalin Island, Russia. 7pp.
10. WELLER, D.W., BRADFORD, A.L., LANG, A.R., BURDIN, A.M. and BROWNELL, R.L., JR. Birth-intervals and sex composition of western gray whales summering off Sakhalin Island, Russia. 7pp.

11. PETTIS, H. North Atlantic right whale consortium annual report card (01 November 2007 - 30 April 2009). 7pp.
12. ROSA, C., LITOVKA, D., SHEFFIELD, G. and BLOKHIN, S. Update on 2008 collection activities related to 'stinky' gray whales in Chukotka, Russia. 2pp.
13. ROSA, C., THEWISSEN, H., KISHIDA, T., NUMMELA, S., GEORGE, J.C. and SUYDAM, R. A summary of ongoing bowhead whale sensory research in Northern Alaska. 12pp.
14. NO PAPER
15. ESPÍRITO SANTO, S.M., FRANCO, D. and GROCH, K.R. Geostatistical density analysis of southern right whale (*Eubalaena australis*) occurrences along the coast of Santa Caterina, Southern Brazil - preliminary information. 5pp.
16. CLAPHAM, P., ZERBINI, A., KENNEDY, A., RONE, B. and BERCHOK, C. Update on North Pacific right whale research. 9pp.
17. BRANDON, J.R. and PUNT, A.E. Assessment of BCB bowheads: including estimates of calf production and preliminary consideration of environmental variability on population dynamics.
18. UHART, M.M., ROWNTREE, V., SIRONI, M., CHIRIFE, A., MOHAMED, N., POZZI, L.M., MUSMECI, L., FRANCO, M., MCALOOSE, D., DOUCETTE, G., SASTRE, V. and ROWLES, T. Continuing southern right whale mortality events at Península Valdés, Argentina. 10pp.
19. SIRONI, M., ROWNTREE, V., SNOWDON, C.T., VALENZUELA, L. and MARÓN, C. Kelp gulls (*Larus dominicanus*) feeding on southern right whales (*Eubalaena australis*) at Península Valdés, Argentina: updated estimates and conservation implications. 12pp.
20. SADYKOVA, D. and SCHWEDER, T. Migration ranks for bowhead whales (*Balaena mysticetus*) at Barrow in spring. 10pp.
21. SCHWEDER, T. and SADYKOVA, D. Information is gained increasingly fast in capture-recapture surveys - bowheads assessed by photographic surveys, and minke whales by genetic marking? 16pp.
22. ILYASHENKO, V. How isolated is the 'western' gray whale population? 3pp.
23. GEORGE, J.C. and SUYDAM, R. Preliminary report of the Spring 2009 ice-based bowhead whale census activities near Barrow, Alaska.
24. FADEEV, V.I. Benthos studies in feeding grounds of western gray whales off the northeast coast of Sakhalin Island (Russia), 2004-2008. 9pp.
25. VLADIMIROV, V.A., STARODYMOV, S.P., AFANASYEV-GRIGORYEV, A.G. and VERTYANKIN, V.V. Distribution and abundance of western gray whales off the northeast coast of Sakhalin Island, Russia, 2008.
26. TYURNEVA, O.Y., YAKOVLEV, Y.M. and VERTYANKIN, V.V. Photographic identification of the Korean-Okhotsk gray whale (*Eschrichtius robustus*) offshore northeast Sakhalin Island and southeast Kamchatka Peninsula (Russia), 2008.
27. SWARTZ, S.L., URBAN R, J., GOMEZ-GALLARDO, A., MARTINEZ, S., NANDUCA, H., LOPEZ U, A., DEL MONTE, A.L., NAJERA, M. and PEREZ P, H. Preliminary comparison of winter counts of gray whale in Laguna San Ignacio, B.C.S., Mexico from 1978 to 2008. 11pp.
28. NO PAPER
29. NO PAPER
30. BROWNELL, R.L., JR, LANG, A.R., BURDIN, A.M., BRADFORD, A.B. and WELLER, D.W. The western gray whale population is distinct: a response to SC/61/BRG22. 4pp.
31. WELLER, D., BROWNELL, R.L., JR, BURDIN, A., DONOVAN, G., GALES, N., LARSEN, F., REEVES, R. and TSIDLKHO, G. A proposed research programme for satellite tagging western gray whales in 2010.

#### SC/61/E

1. STACHOWITSCH, M., ROSE, N.A. and PARSONS, E.C.M. State of the Cetacean Environment Report (SOCER) 2009. 27pp.
2. OVIEDO, L. Patterns of prey biomass consumption by small odontocetes in the northeastern coast of Venezuela. 9pp.
3. NO PAPER
4. MOON, H.B., CHOI, H.G., AN, Y.R., CHOI, S.G., PARK, J.Y. and KIM, Z.G. Chlorinated and brominated organic compounds in cetaceans from Korean coastal waters. 10pp.
5. MOON, H.B., CHOI, H.G., AN, Y.R., CHOI, S.G., PARK, J.Y. and KIM, Z.G. Perfluorinated compounds (PFCs) in cetaceans from Korean coastal waters. 9pp.
6. WRIGHT, D., BROWN, V.C. and SIMMONDS, M.P. A review of developing marine renewable technologies. 10pp.
7. BROWN, V.C. and SIMMONDS, M.P. A further update on the distributions of marine renewable energy plants in Europe. 20pp.
8. ALTER, S.E., SIMMONDS, M.P. and BRANDON, J.R. The tertiary threat: human-mediated impacts of climate change on cetaceans. 17pp.
9. KOSKI, W.R., ABGRALL, P. and YAZVENKO, S.B. A review and inventory of unmanned aerial systems for detection and monitoring of key biological resources and physical parameters affecting marine life during offshore exploration and production activities. 12pp.
10. CLARK, C.W., ELLISON, W.T., SOUTHALL, B.L., HATCH, L., VAN PARIJS, S., FRANKEL, A. and PONIRAKIS, D. Acoustic masking in marine ecosystems as a function of anthropogenic sound sources.
11. NO PAPER

12. ROSA, C. A summary of dead, stranded bowhead whales reported in the Chukchi and Beaufort Seas over the last twenty-five years. 3pp.
13. MARSILI, L., CASINI, S., CARLETTI, L., MALTESE, S., PORCELLONI, S., NIÑO-TORRES, C.A., ROJAS-BRACHO, L., URBÁN, J. and FOSSI, M.C. Success in fibroblast cell cultures from long-beaked common dolphin (*Delphinus capensis*) and Bryde's whale (*Balaenoptera edeni*) skin biopsies of the Gulf of California (Mexico): potential application for ecotoxicological studies.
14. NO PAPER
15. WRIGHT, A.J. A workshop on cumulative impacts of underwater noise with other anthropogenic stressors on marine mammals: from ideas to action. 4pp.
16. WRIGHT, A.J., DEAK, T. and PARSONS, E.C.M. Concerns related to chronic stress in marine mammals. 7pp.
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19. LEAPER, R., RENILSON, M., FRANK, V. and PAPA STRAVROU, V. Possible steps towards reducing impacts of shipping noise. 5pp.
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#### SC/61/EM

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#### SC/61/IA

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2. PUNT, A.E. Ageing error effect size for the Southern Hemisphere minke whales. 17pp.
3. KELLY, N., PEEL, D., PIKE, D., BRAVINGTON, M.V. and GALES, N. An aerial survey for Antarctic minke whales in sea ice off east Antarctica: a pilot study. 14pp.
4. KELLY, N., PEEL, D., BRAVINGTON, M.V. and GALES, N. A planned aerial survey for minke whales in east Antarctica during summer 2009/10. 5pp.
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6. OKAMURA, H. and KITAKADO, T. Abundance estimates and diagnostics of Antarctic minke whales from the historical IDCR/SOWER survey data using the OK method. 58pp.
7. OKAMURA, H. and KITAKADO, T. Summary of simulation trials for Antarctic minke whale abundance surveys using the revised OK method. 8pp.
8. KITAKADO, T. and OKAMURA, H. Estimation of additional variance for Antarctic minke whales based on the abundance estimates from the revised OK method. 11pp.
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10. KLEPPE, T.S., SKAUG, H.J. and OKAMURA, H. Robustness of the hazard probability model. 8pp.
11. KOCK, K.H., SCHEIDAT, M., BOEBEL, O., BRÄGER, S., HERR, H., LEHNERT, K., LEHNERT, L.S., VERDAAT, H. and WILLIAMS, R. The occurrence of cetaceans along two transects from 57°S to Atka Bay (70°29.6'S/07°57.6'W). 19pp.
12. BURT, M.L. and ENSOR, P. Analysis of IO and BT search modes on the IWC-SOWER 2007/08 cruise. 8pp.
13. LEAPER, R. Photographic measurements of bearings to sightings and scanning patterns of observers on the 2008/09 SOWER cruise. 4pp.
14. BRAVINGTON, M.V. and HEDLEY, S.L. Antarctic minke whale abundance estimates from the second and third circumpolar IDCR/SOWER surveys using the SPLINTR model. 25pp.
15. NISHIWAKI, S., MURASE, H., KUMAGAI, S., MATSUOKA, K. and KATO, H. Research proposal for the 2009/10 IWC/Southern Ocean Whale and Ecosystem Research (SOWER) cruise. 4pp.
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18. BURT, M.L., ENSOR, P. and BORCHERS, D.L. Detection probability of Antarctic minke whales: analyses of the BT mode experiments conducted on the IWC-SOWER cruises 2005/06-2007/08.

19. ENSOR, P., KOMIYA, H., KUMAGAI, S., KUNINGAS, S., OLSON, P. and TSUNDA, Y. 2008-2009 International Whaling Commission-Southern Ocean Whale and Ecosystem Research (IWC-SOWER) cruise.
20. MIKHALEV, Y. Falsification of Soviet whaling data after the International Observer Scheme. 5pp.
21. BROWNELL, R.L., JR, IVASHCHENKO, Y.V., POLACHECK, T. and CLAPHAM, P.J. Implications of SC/61/IA20. 1p.

#### **SC/61/JR**

1. PASTENE, L., HATANAKA, H., FUJISE, Y., KANDA, N., MURASE, H., TAMURA, T., MORI, M., YASUNAGA, G., WATANABE, H. and MIYASHITA, T. Response to the 'Report of the Expert Workshop to Review the JARPN II Programme'. 21pp.
2. TAMURA, T., KONISHI, K., ISODA, T., OKAMOTO, R., BANDO, T. and HAKAMADA, T. Some examinations of uncertainties in the prey consumption estimates of common minke, sei and Bryde's whales in the western North Pacific. 24pp.
3. YASUNAGA, G. and FUJISE, Y. Additional analyses on temporal trends and factors affecting mercury levels in common minke, Bryde's and sei whales in the western North Pacific. 3pp.
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5. KANDA, N., GOTO, M., KISHIRO, T., YOSHIDA, H., KATO, H. and PASTENE, L. Updates of the analyses on individual identification and mixing of the J and O stocks around Japanese waters examined by microsatellite analysis. 14pp.
6. HAKAMADA, T. and BANDO, T. Further morphometric analysis on stock structure in the western North Pacific common minke whale (*Balaenoptera acutorostrata*). 4pp.
7. GOTO, M., KANDA, N., KISHIRO, T., YOSHIDA, H., KATO, H. and PASTENE, L.A. Further mitochondrial DNA analysis on stock structure in the western North Pacific common minke whales. 10pp.
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#### **SC/61/NPM**

1. AN, Y.R., CHOI, S.G., KIM, Z.G. and KIM, H.W. Cruise report of the Korean cetacean sighting survey in the Yellow Sea, April-May 2008. 4pp.
2. AN, Y.R., KIM, Z.G., CHOI, S.G. and PARK, K.J. Abundance estimation of common minke whales in the Yellow Sea and the East Sea using the Korean sighting data from 2000 to 2008 with  $g(0)=1$ .
3. CHOI, S.G., KIM, Z.G., AN, Y.R. and PARK, K.J. Plan for the Korean cetacean sighting survey in the East Sea in 2010.
4. GOTO, M., KANDA, N. and PASTENE, L. Update of the mitochondrial DNA analysis on sub-stock structure of the J stock common minke whales from the Japanese waters. 8pp.
5. OKAMURA, H., MIYASHITA, T. and KITAKADO, T. Revised estimate of  $g(0)$  for the North Pacific common minke whale. 7pp.
6. KITAKADO, T., AN, Y.R., CHOI, S.G., MIYASHITA, T., OKAMURA, H. and PARK, K.J. Integration of abundance estimates for common minke whales in sub-areas 5, 6 and 10 using sighting data from Japanese and Korean surveys. 9pp.
7. MIYASHITA, T., OKAMURA, H. and KITAKADO, T. Abundance of J-stock common minke whales in the Sea of Japan using the Japanese sighting data with  $g(0)=1$ . 10pp.
8. KANDA, N., GOTO, M. and PASTENE, L. Update of the microsatellite analysis on sub-stock structure of the J stock common minke whales from Japanese waters. 9pp.
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#### **SC/61/RMP**

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2. BØTHUN, G., SKAUG, H.J. and ØIEN, N. Abundance of minke whales in the northeast Atlantic based on survey data collected over the period of 2002-2007. 13pp.
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7. ØIEN, N., BØTHUN, G. and KLEIVANE, L. Summary of available data on northeastern Atlantic minke whale surfacing rates. 6pp.

8. ØIEN, N. Report of the Norwegian 2008 survey for minke whales in the *Small Management Area ES* - Svalbard. 6pp.
9. GUNNLAUGSSON, T. and VIKINGSSON, G.A. Thoughts on NA fin RMP implementation, hypothesis IV and research. 6pp.
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2. CIPRIANO, F. and PASTENE, L. A review of current knowledge of techniques to extract and amplify DNA from 'difficult' whale samples. 5pp.
3. ROSS, H.A. and SHEARMAN, H. GenBank sequence assessment for species assignment - control region sequences published for baleen whales in 2007. 10pp.

#### SC/61/SH

1. FÉLIX, F., CABALLERO, S. and OLAVARRÍA, C. Genetic diversity and population structure of humpback whales (*Megaptera novaeangliae*) from Ecuador based on mitochondrial DNA analyses. Update of SC/59/SH11. 12pp.
2. FÉLIX, F. and BOTERO-ACOSTA, N. Distribution and seasonal occurrence of humpback whales (*Megaptera novaeangliae*) cows with calves in coastal waters of Ecuador. 11pp.
3. MATSUOKA, K. and PASTENE, L. Summary of photo-id information of blue whales collected by JARPA/JARPA II and preliminary analysis of matches in the feeding grounds. 5pp.
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6. CARVALHO, I., LOO, J., POMILLA, C.C., LESLIE, M.C., COLLINS, T., BARENDSE, J., BEST, P.B. and ROSENBAUM, H.C. Temporal patterns of population structure of humpback whales in west coast of Africa (B1-B2 sub-stocks) based on mitochondrial DNA and microsatellite variation. 13pp.
7. CERCHIO, S., ERSTS, P., POMILLA, C., LOO, J., RAZAFINDRAKOTO, Y., LESLIE, M., ANDRIANRIVELLO, N., MINDON, G., DUSHANE, J., MURRAY, A., COLLINS, T. and ROSENBAUM, H. Updated estimates of abundance for humpback whale breeding stock C3 off Madagascar, 2000-2006. 23pp.
8. RAZAFINDRAKOTO, Y., CERCHIO, S., COLLINS, T., ROSENBAUM, H. and NGOUESSONO, S. Similarity of song patterns among humpback whales from Madagascar and Gabon indicates significant contact between South Atlantic and southwest Indian Ocean populations. 15pp.
9. MURRAY, A., CERCHIO, S., MCCAULEY, R., JENNER, C., RAZAFINDRAKOTO, Y., MCKAY, S., COUGHRAN, D., MCKAY, S. and ROSENBAUM, H. Comparison of humpback whale (*Megaptera novaeangliae*) songs in the southern Indian Ocean indicates limited exchange between populations wintering off Madagascar and western Australia. 20pp.
10. PATON, D.A., BROOKS, L., BURNS, D., KNIEST, E., HARRISON, P. and BAVERSTOCK, P. Abundance estimate of Australian east coast humpback whales (Group E1) in 2005 using multi-year photo-identification data and capture-recapture analysis. 11pp.
11. ALLEN, J.M., CARLSON, C., VIECHNICKI, J. and STEVICK, P. Interim Report: IWC Research Contract 16, Antarctic Humpback Whale Catalogue. 8pp.
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13. ALBERTSON-GIBB, R., ACEVEDO, J., OLAVARRÍA, C., AGUAYO-LOBO, A., POOLE, M.M. and BAKER, C.S. Photo-identification comparison of humpback whales from the Antarctic Peninsula/Strait of Magellan and French Polynesia (breeding stock F). 7pp.
14. ALBERTSON-GIBB, R., POOLE, M., CONSTANTINE, R. and BAKER, C.S. Capture-recapture estimation of abundance for humpback whales of French Polynesia (breeding stock F) using photo-identification. 8pp.
15. SOUTH PACIFIC WHALE RESEARCH CONSORTIUM. Report of the Annual Meeting of the South Pacific Whale Research Consortium, 9-12 February 2009. 15pp.
16. GEDAMKE, J. Geographic variation in Southern Ocean fin whale song. 8pp.
17. GALES, N., DOUBLE, M., ROBINSON, S., JENNER, C., JENNER, M., KING, E., GEDAMKE, J., PATON, D. and RAYMOND, B. Satellite tracking of southbound East Australian humpback whales (*Megaptera novaeangliae*): challenging the feast or famine model for migrating whales. 11pp.

18. FÉLIX, F., RASMUSSEN, M.H., GARITA, F., HAASE, B. and SIMONIS, A. Movements of humpback whales between Ecuador and central America, wintering area of the breeding stock G. 7pp.
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21. GALLETI, B. and CABRERA, E. First aerial surveys to estimate abundance of blue whales off southern Chile. 8pp.
22. GALLETI, B., CABRERA, E., CARLSON, C., SIRONI, M. and BROWNELL, R.L., JR. Blue whales off Isla de Chiloé, Chile: update of 2009 field research season of the Alfaguara project. 2pp.
23. HEDLEY, S.L., BANNISTER, J.L. and DUNLOP, R.A. Group IV humpback whales: abundance estimates from aerial and land-based surveys off Shark Bay, western Australia, 2008. 17pp.
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