

DEPARTMENT OF ECONOMIC DEVELOPMENT AND TOURISM

PROVINCIAL CONSULTATION ON THE E- STRATEGY, E-GOVERNMENT AND ICT SMME SUPPORT STRATEGIES

Northern Cape Information Society Strategy



**NORTHERN CAPE
DEPARTMENT OF ECONOMIC DEVELOPMENT AND TOURISM**

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Overview

- Policy Context
- Northern Cape Information Society Strategy (NCISS) Development
- Provincial Status
- Challenges
- Opportunities
- Recommendations
- Closure



Policy Context

- **Constitution:** “... improve the quality of life of all citizens and free the potential of each person” and, in doing so, enables equality in the rights, privileges and benefits of citizenship, including the guarantees of freedom of expression and association in the Bill of Rights in the digital world.
- **NDP:** The ICT sector by 2030 will underpin the development of a dynamic and connected information society and a vibrant knowledge economy that is more inclusive and prosperous. A seamless information infrastructure will...
- **New Growth Path:** One of the job creation drivers identified as part of the New Growth Path, the national 5-year economic plan for the country, is the element of the knowledge economy – an economy that is underpinned by access to affordable high speed broadband...
- **Strategic Integrated Project (SIP) 15:** Expanding Access to Communication Technology which “to ensure universal service and access to reliable, affordable and secure broadband services by all South Africans... prioritising rural and under-serviced areas...stimulating economic growth.”

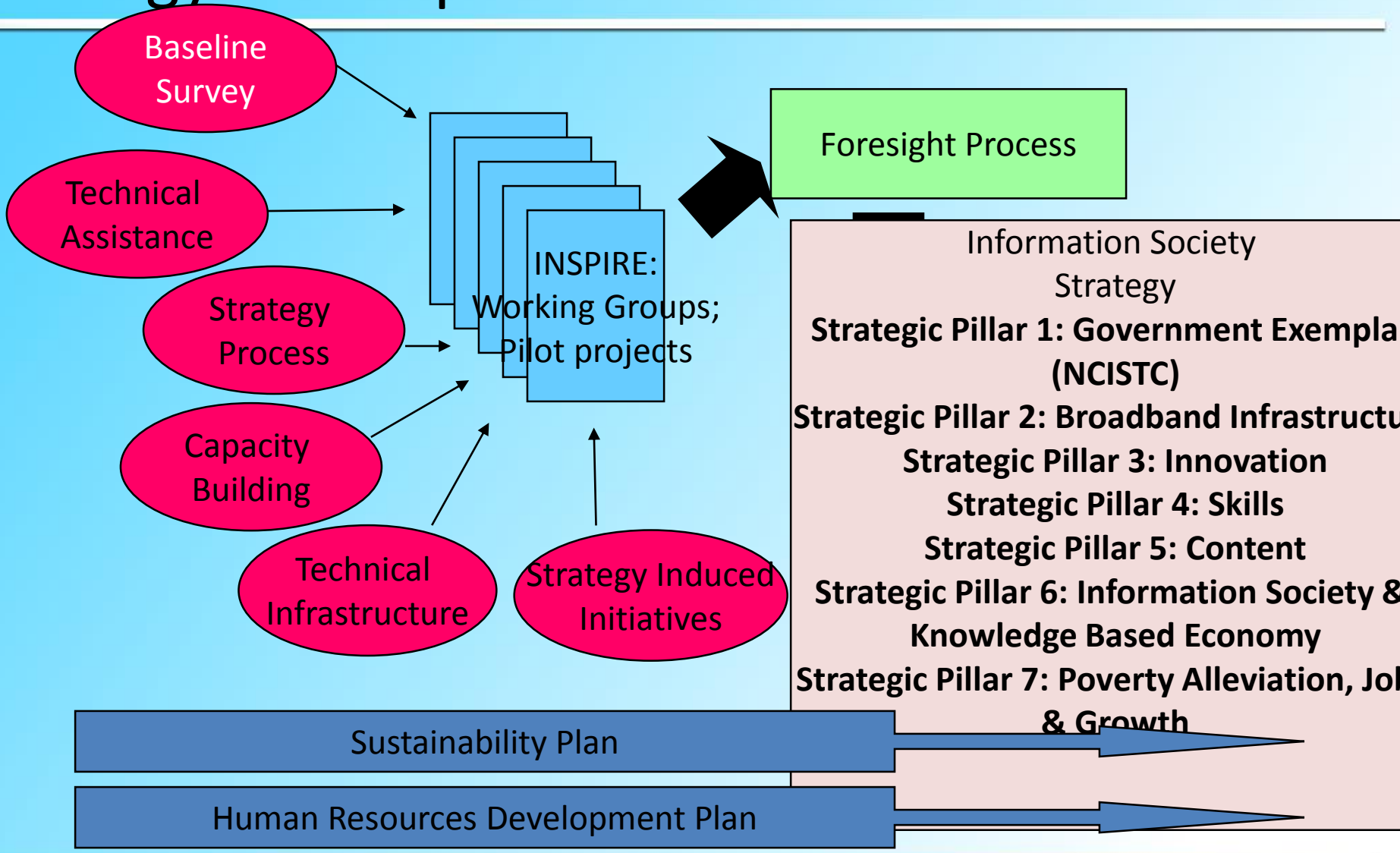


Policy Context

- **The MTSF lays out key government priorities and outlines the role of technology in industrial policy, social infrastructure and improving services.**
- **Goal 9 of SDG's, states, "Significantly increase access to information and communications technology and strive to provide universal and affordable access"**
- **Target 18 of the MDGs** refers to making available the benefits of information and communications technologies.
- **New Partnership for Africa Development (NEPAD)** – refers to the narrowing digital divide.
- **Knowledge Economy & Innovation** (sub-programme): To develop a knowledge society, through innovation that enhances inclusive economic growth
- **National Integrated ICT Policy White Paper:** Confront the reality of convergence



Strategy Development Process



NCISS Interventions: Strategic Pillars

Strategic Pillar 1: Government Exemplar

- Establish Northern Cape Information Society Technical Committee

Strategic Pillar 2: Broadband Infrastructure

- DTPS roll-out plans, Northern Cape Provincial Broadband Steering Committee & Pixley Ka Seme District Municipality Broadband Task

Strategic Pillar 3: Innovation

- WiFi NVC programmes with Municipality and Technical Vocational and Education Training College
- Lap Top Trolley
- DEDaT and SPU Knowledge Partnership



NCISS Interventions: Strategic Pillars

Strategic Pillar 4: Skills

- Geekulcha and GKSS
- Vac-work programme
- mLab
- ICT SMME
- iNeSI
- WiFi NVC
- Enterprise Development / Empowerment
- e-Libraries
- e-Education, e-Health, e-Agriculture



NCISS Interventions: Strategic Pillars

Strategic Pillar 5: Content

- Geekulcha Student Society
- KM Systems & Portals
- USSD

Strategic Pillar 6: Information Society & Knowledge Based Economy

- Models from the ITU, WSIS, WEF

Strategic Pillar 7: Poverty Alleviation, Jobs & Growth

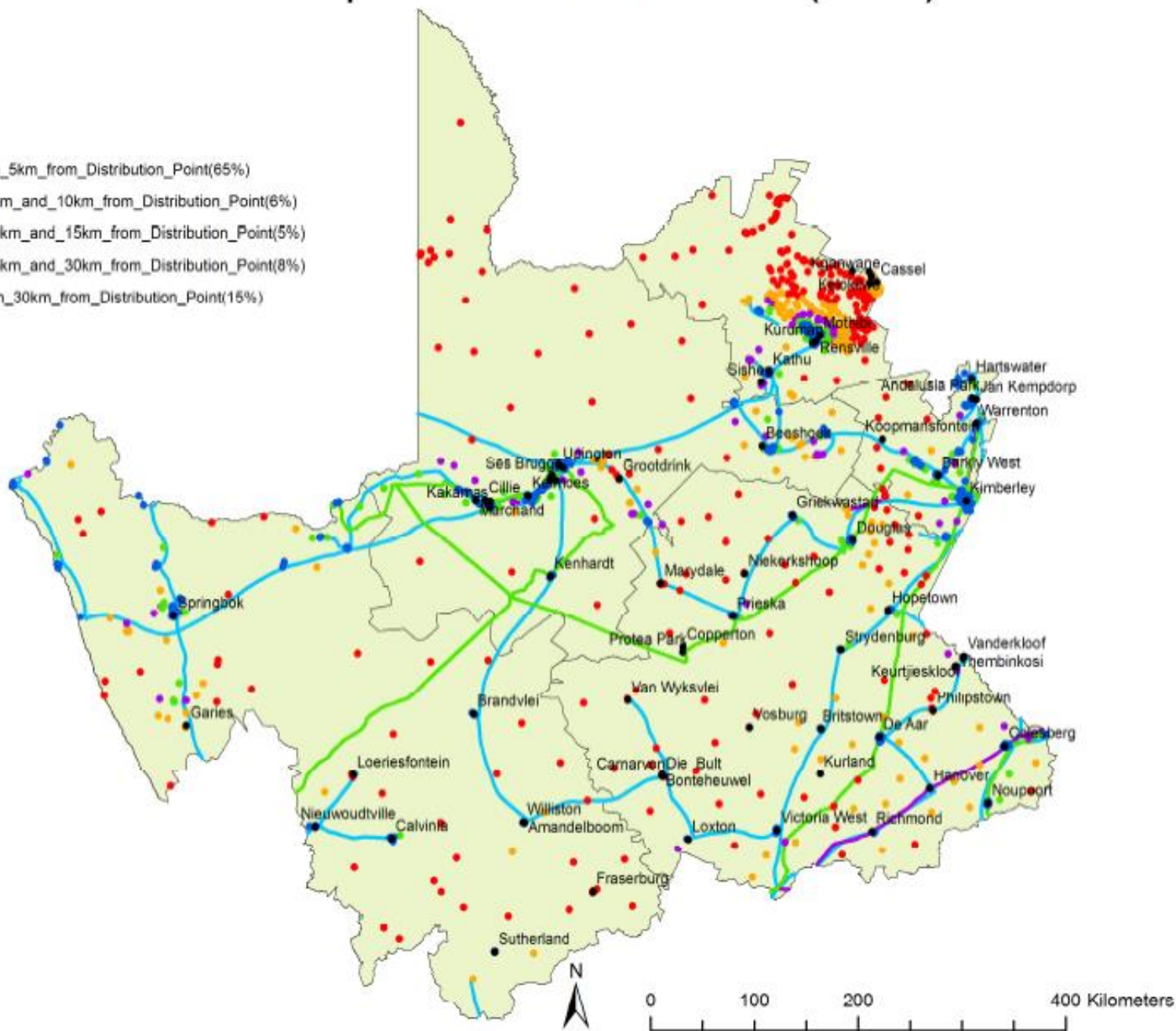
- ICT Training
- Access to information
- Connectivity



NC Infrastructure Gap from Census Points(2011)

Legend

- NC_Towns_and_Cities
- NC_Census_Points_Closer_than_5km_from_Distribution_Point(65%)
- NC_Census_Points_between_5km_and_10km_from_Distribution_Point(6%)
- NC_Census_Points_between_10km_and_15km_from_Distribution_Point(5%)
- NC_Census_Points_between_15km_and_30km_from_Distribution_Point(8%)
- NC_Census_Points_Further_than_30km_from_Distribution_Point(15%)
- NC_InfraCo
- NC_SANRAL
- NC_Telkom
- NC_DFA
- NC_District_Municipalities



% People with Internet

Community Survey 2016

Table 1

Geography hierarchy 2011 by Summation Options (Calculations) and Internet services

	Person Weight			% of Person Weight		
	Internet services	No Internet services	Total	Internet services	No Internet services	Total
Western Cape	1076360	5006750	6083111	18	82	100
Eastern Cape	439200	6352945	6792144	6	94	100
Northern Cape	115017	1059019	1174036	10	90	100
Free State	303694	2466230	2769924	11	89	100
KwaZulu-Natal	866336	9757308	10623644	8	92	100
North West	303820	3349772	3653591	8	92	100
Gauteng	2003827	10851152	12854979	16	84	100
Mpumalanga	300835	3906098	4206933	7	93	100
Limpopo	386305	5248008	5634313	7	93	100



Internet Penetration Districts

- Community Survey 2016

		Person Weight			% of Person Weight	
	Internet services	No Internet services	Total	Internet services	No Internet services	Total
Northern Cape	115017	1059019	1174036	10	90	100
DC45: John Taolo Gaetsewe	18005	219403	237407	8	92	100
DC6: Namakwa	13649	101179	114828	12	88	100
DC7: Pixley ka Seme	13861	180192	194053	7	93	100
DC8: Z F Mgcawu	28848	220189	249036	12	88	100
DC9: Frances Baard	40654	338056	378711	11	89	100



Challenges

- Provincial BB Strategy
- PBB Implementation Project Plan, including M&E plan
- Funding for Implementation of NCISS
- Development of sustainable financial model
- Costs of connectivity
- Devices
- Affordability
- Skills and awareness
- Local content



Opportunities

- Establish District Broadband Task Team
- Build Broadband Infrastructure
- Establish WiFi Hotspots
- eSkills
- Join mLab NC
- Register with www.ncdev.co.za
- Local content development
- Develop apps for tourism, agriculture, mining, SKA, solar energy, education, health...
- Digitize your business



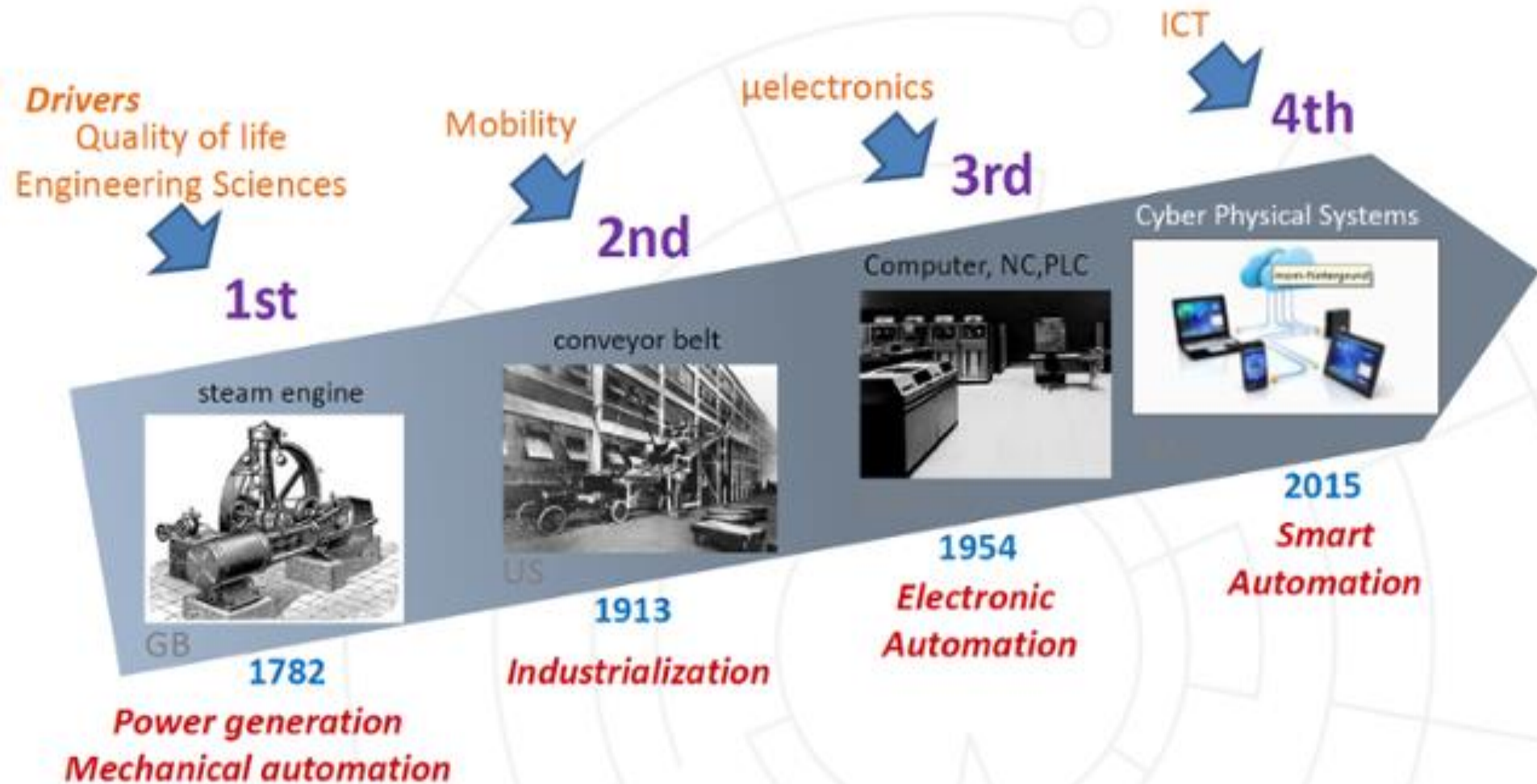
Recommendations

- DTPS notes the presentation
- Furthermore, DTPS:
 - Supports NCISS Implementation;
 - Assists the province in addressing budget constraints for implementation;
 - Consider the Northern Cape as a Pilot for e-Strategy development and implementation;
 - DTPS to advise on funding mechanism to implement e-Strategies



Closure

The 4th Industrial Revolution - „Industry 4.0“



Thank You



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