



| The European Synchrotron

Working of the ESRF beamline support group

Staffan Ohlsson, ESRF, 23/10 2017



- **BCU in ESRF environment**
- **Long term duties**
- **Daily duties**
- **How scientists/visitors see BCU on their beamline**
- **Old organization**
- **New organization**
- **My (personal) view on the reorganization**

BCU IN ESRF ENVIRONMENT: SOFTWARE



- All software used to interface equipment
 - Device Servers (Tango and Taco)
 - LIMA (2D cameras/beamviewer)
 - Doing SPEC (sequencer) macro calls to make interaction easier
- In charge of GUIs to make life of scientists easier:
 - MXCuBE, BsxCuBE for example



- Give advice on detectors that are supported
- Advice H/W and S/W evolutions of the beamline
- Interface with
 - SPEC author
 - Detector manufacturers
 - ESL (For new motors and electronics)
 - SC (For dimensioning control or detector computers)



- **Follow standardization**
 - Remove VME crates
 - TACO → Tango
 - VPAP → IcePAP
 - Serial lines → Network all equipment (tcp/ip)
 - Getting to debian8 by moving away from Red Hat E4
 - 10H/100H to 100F/1000F
 - Make auto negotiation work



- **Make sure we can interface new detectors/electronics**
 - Write DS on Linux in our own standard: Tango
 - Interface Windows based detectors on a Linux machine
- **Coordinate with ESL and SC**
 - Make sure we give feedback
 - Getting new OS and electronics so that we can integrate them
- **Replacing SPEC w/ BLISS**



- **3 Levels of support**
 - **Urgent support**
#40-04 8-17 (2 persons)
#25-25 7-23 when beam (2 pers)
 - **Planned interventions:**
Fill in a ticket or call your BCU contact (< 3 man-days)
 - **Bigger than 3 man-days:**
Part of a EXPD Project:
In our Project management tool ECAPS

SCREEN SHOT FOR OPERATION DEMAND

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Welcome Staffan Ohlsson

Please enter your Operation Ticket (all Fields compulsory):

Beamline

CRG-BM26



Summary of
Task/Operation:

Borrowing the Dector Pool Dectris PC

Description of
Task/Operation:

Dear BCU,

Please set it up and create opd26 account and mount our data disk and make sure it is integrated in our scan.

Staffan

Select Deadline for
Operation:

2017-10-26

Enter Request



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OLD ORGANIZATION



- 19 members
- Most organized 2-3 per group of beamlines
- In principle:
 - 50% Support
 - 50% Development
- One BIG family helping each other out



3 Sub groups:

- **Operation: 11**
 - All but development
 - Still some GUIs
- **Development:**
6 + 1 outside scrum master
 - For now only BLISS
- **Electronics team: 2 + 2**
 - All new fast detector
 - Closer integration w/ ESL

MY VIEW ON THE REORGANIZATION

OPINION

NOT AUTHORIZED

- **Positive**
 - More job satisfaction
 - BLISS will get done faster
 - No operation interference
 - Working with the Electronics Group finally prioritized
- **Negative**
 - Developers lose touch
 - No more all of us together
 - Long term wear down of the operation team

QUESTIONS?



**THANKS
FOR
LISTENING**



Thanks for listening!

Any Questions?