

# Summary of Changes

## PSS 2019/20 Planning Tool

### From:

## PSS 2017/18 Operational Tool

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# Summary of Changes

## Purpose

The purpose of this summary is to provide an overview of the main changes between the PSS 2017/18 Operational Tool and the PSS 2019/20 Planning Tool.

Changes are broken down by:

- **Input Changes**
- **Output Changes**
- **Software Changes**
- **Algorithm Changes**
- **Design Changes**

This document is intended as a high-level summary to be used to form the basis of further analysis and investigation, rather than a comprehensive list of all differences between releases. Further supporting documentation is available from the National Casemix Office website <https://digital.nhs.uk/services/national-casemix-office>.

# PSS 2019/20 Planning Tool from PSS 2017/18 Operational Tool

## Input Changes

The following fields have been removed from the list of mandatory input fields:

- CSNUM (APC)
- PURCODE (APC and NAC)
- WARDSEC (APC)

They are no longer used by any of the identification rules or the algorithm.

Existing RDFs will still work, with these fields being treated the same as any other non-mandatory fields in the input data.

The tool has been updated to accept input files in different encodings. Previously input files had to be encoded as ANSI text; this has been expanded to also allow Unicode, Unicode big endian, and UTF-8, echoing the options available in Notepad.

The content of the file is still required to contain only ASCII characters. If a user tries to process a file containing non-ASCII characters processing will fail with the message “Non-ASCII characters detected”.

## Output Changes

Given the change to the input data, the three fields listed above are no longer output by the Tool.

## Software Changes

The graphical user interface (GUI) has been updated to align with that of the contemporary HRG4+ Grouper. General changes include:

- Installation – during installation an appropriate version of Microsoft’s .Net Framework will be checked for, with the option to download and install it if not present.
- Closing windows – individual windows (Batch, Single Spell etc.) can now be easily closed using the cross in the top right of the window.
- Default RDFs – the Sample RDF folder and sample RDFs have been renamed as Default RDFs.
- Non-Admitted Consultations – references to the NAC database and sample data have been renamed to Non-Admitted Consultations instead of Non-Admitted Patient Care.
- Missing fields in RDF – if an RDF is selected in Batch or Single Spell mode that has some of the mandatory fields missing a warning is generated with an option to open the RDF in the editor for amending.

Other changes are relevant to the specific modules of the tool.

## Batch

- Drag-and-drop functionality has been added to the Input File and Record Definition File selectors.
- The Input File and Output File selectors will show the full path and are editable.
- The File Preview will show the RDF headers in bold and the file headers in parentheses when the “Input data has headings” option is selected.
- A warning will be generated if the input data contains non-ASCII characters.
- Icons will be displayed in the left-hand navigation area to indicate if a Batch is processing, has completed successfully, or has errored.

## RDF

- The Input File selector has been renamed, from “Create from file”.
- Drag-and-drop functionality has been added to the Input File and Record Definition File selectors.
- The Input File selector will show the full path and is editable.
- A Field Customisation button has been added to replace the “Number of fields” area, where a user can adjust the number of variable fields.
- An Undo and Redo facility has been added, which will remember the last five actions. These can be accessed through the standard Windows shortcuts CTRL-Z and CTRL-Y as well as via the buttons.
- Fields can be unassigned in the file preview window by clicking the cross in the field header. Unassigned fields will be coloured yellow in the field list.
- The Picture and Extract facilities have been extended to include the PROCODET field, and will be applied to the input data before it is sorted.

## Viewer

- Drag-and-drop functionality has been added to the File and Record Definition File selectors.
- The File selector will show the full path and is editable.
- Filters have been added to the File View window, accessed via the drop-down arrow. Wildcards can be used – ? for a single character and \* for multiple characters.
- There is an option to “Use file header” which will treat the first data row in the file as field names, and display these in parentheses.
- A page number box has been added so the user can jump to a specific part of the file without having to page through.
- Double-clicking a record will open the data in a Single Spell window, where the data can be manipulated and processed. This is dependent on an RDF being set in the Viewer window.

## Single Spell

- The Database selector has been moved to the top, and when a database is selected a default RDF will be used. This can be replaced with a different RDF if needed. If an RDF is selected first the database will be automatically detected.
- Drag-and-drop functionality has been added to the Record Definition File selector.
- A Field Customisation button has been added so a user can adjust the number of variable fields, making a bespoke RDF unnecessary.

- An Undo and Redo facility has been added, which will remember the last five actions. These can be accessed through the standard Windows shortcuts CTRL-Z and CTRL-Y as well as via the buttons.
- An export facility had been added, with options to save the record and the tool outputs as either a CSV or an HTML file.
- When data is being typed into most fields an autocomplete function will show a list of 10 matching values with their descriptions. These can be selected, or more can be typed to further narrow down the list.
- Diagnosis and procedure codes can be reordered in the record using a drag-and-drop facility. If there is a code in the destination position the existing codes will be shuffled up to make room.
- Descriptions associated with the service line and NPoC codes have been added to the Episode and Spell outputs.

## Algorithm Changes

### Equal-sign exclusion

Previously, any episode excluded by an equal-sign suffixed to the Commissioning Serial Number (CSNUM) field value was excluded from consideration when deriving the spell-level dominant service line.

This has been removed from the algorithm, and all episodes in a spell appearing in the data will be considered.

## Design Changes

- Update to reference data – the procedure hierarchy scores used to determine the dominant procedure in an episode have been updated to align with HRG4+ 2019-20 Engagement Group.
- Update to service line hierarchy – the service line hierarchy used to determine the episode-level and spell-level dominant service line has been updated to account for deleted service lines, additional service lines, and reordered.
- Change of name – all service lines have been renamed to better align with the names used elsewhere.
- Change of NPoC – the National Programme of Care that NCBPS39A (ADULT HIGHLY SPECIALIST OESOPHAGEAL GASTRIC SERVICES IN THE FORM OF GASTRO-ELECTRICAL STIMULATION FOR PATIENTS WITH INTRACTABLE GASTROPARESIS) is associated with has been changed from B03 (SPECIALISED CANCER) to A07 (SPECIALISED COLORECTAL SERVICES).

- Changes to Treatment Function Code criteria – TFC criteria have been changed for

APC
NCBPS23B (PAEDIATRIC CARDIAC SERVICES)
NCBPS23H (SPECIALIST HAEMATOLOGY SERVICES FOR CHILDREN)
NCBPS23M (SPECIALIST NEUROSCIENCE SERVICES FOR CHILDREN)
NCBPS23S (SPECIALIST RENAL SERVICES FOR CHILDREN)
NCBPS23T (SPECIALIST RESPIRATORY SERVICES FOR CHILDREN)
NCBPS23Y (HIGHLY SPECIALIST PAIN MANAGEMENT SERVICES FOR CHILDREN)

NAC
NCBPS23M (SPECIALIST NEUROSCIENCE SERVICES FOR CHILDREN)
NCBPS23X (SPECIALIST PAEDIATRIC SURGERY SERVICES)
NCBPS29Z (ADULT THORACIC SURGERY SERVICES: OUTPATIENTS)

- Changes to diagnosis criteria – overlapping diagnosis codes in the definitions of the rare cancer identification rule and the site-specific cancer rules have been moved and removed, affecting:

APC
NCBPS01Q (SPECIALIST CANCER SERVICES: RARE BRAIN AND CNS CANCER)
NCBPS01Y (SPECIALIST CANCER SERVICES: OTHER CANCERS)
NCBPS04F (SPECIALIST CANCER SERVICES: GYNAECOLOGICAL CANCER)

- Change of age criterion – the age criterion for NCBPS01I (CHORIOCARCINOMA SERVICE) has been change from 19 years and over to 17 years and over.
- Removal of age criteria – age checks have been removed from the following service lines:

APC
NCBPS01J (SPECIALIST CANCER SERVICES: ANAL CANCER)
NCBPS01K (SPECIALIST CANCER SERVICES: MALIGNANT MESOTHELIOMA)
NCBPS01L (SPECIALIST CANCER SERVICES: SOFT CELL CANCER)
NCBPS01M (SPECIALIST CANCER SERVICES: HEAD AND NECK CANCER)
NCBPS01O (SPECIALIST CANCER SERVICES: BONE SARCOMA)
NCBPS01Q (SPECIALIST CANCER SERVICES: RARE BRAIN AND CNS CANCER)
NCBPS01U (SPECIALIST CANCER SERVICES: OESOPHAGEAL AND GASTRIC CANCER)
NCBPS01X (SPECIALIST CANCER SERVICES: PENILE CANCER)
NCBPS01Y (SPECIALIST CANCER SERVICES: OTHER CANCERS)
NCBPS01Z (SPECIALIST CANCER SERVICES: TESTICULAR CANCER)
NCBPS04F (SPECIALIST CANCER SERVICES: GYNAECOLOGICAL CANCER)
NCBPS08D (NEUROMYELITIS OPTICA SERVICE)
NCBPS13A (ADULT SPECIALIST CARDIAC SERVICES: COMPLEX DEVICE THERAPY)
NCBPS13B (ADULT SPECIALIST CARDIAC SERVICES: CARDIAC ELECTROPHYSIOLOGY AND ABLATION)
NCBPS13C (ADULT SPECIALIST CARDIAC SERVICES: INHERITED CARDIAC CONDITIONS)
NCBPS13E (ADULT SPECIALIST CARDIAC SERVICES: CARDIAC SURGERY (INPATIENT))

NCBPS13F (ADULT SPECIALIST CARDIAC SERVICES: PPCI FOR ST- ELEVATION MYOCARDIAL INFARCTION)
NCBPS13G (ADULT SPECIALIST PULMONARY HYPERTENSION SERVICES)
NCBPS13V (HEART AND LUNG TRANSPLANTATION SERVICE: VENTRICULAR ASSIST DEVICES)
NCBPS13X (ADULT CONGENITAL HEART DISEASE SERVICES)
NCBPS29A (ADULT HIGHLY SPECIALIST RESPIRATORY SERVICES: PULMONARY VASCULAR SERVICES)
NCBPS29B (ADULT THORACIC SURGERY SERVICES: COMPLEX THORACIC SURGERY)
NCBPS29E (ADULT HIGHLY SPECIALIST RESPIRATORY SERVICES: MANAGEMENT OF CENTRAL AIRWAY OBSTRUCTION)
NCBPS29M (ADULT HIGHLY SPECIALIST RESPIRATORY SERVICES: INTERSTITIAL LUNG DISEASE)
NCBPS33A (SPECIALIST COLORECTAL SURGERY SERVICES: COMPLEX SURGERY FOR INCONTINENCE)
NCBPS33B (SPECIALIST COLORECTAL SURGERY SERVICES: COMPLEX INFLAMMATORY BOWEL DISEASE)
NCBPS33C (SPECIALIST COLORECTAL SURGERY SERVICES: TRANSANAL ENDOSCOPIC MICROSURGERY)
NCBPS39A (ADULT HIGHLY SPECIALIST OESOPHAGEAL GASTRIC SERVICES IN THE FORM OF GASTRO-ELECTRICAL STIMULATION FOR PATIENTS WITH INTRACTABLE GASTROPARESIS)
NCBPS41P (HIGHLY SPECIALIST ADULT UROLOGICAL SURGERY SERVICES FOR MEN: PENILE IMPLANTS)
NCBPS41S (HIGHLY SPECIALIST ADULT UROLOGICAL SURGERY SERVICES FOR MEN: SURGICAL SPERM REMOVAL)
NCBPS41U (HIGHLY SPECIALIST ADULT UROLOGICAL SURGERY SERVICES FOR MEN: URETHRAL RECONSTRUCTION)

NAC

NCBPS01Y (SPECIALIST CANCER SERVICES: OTHER CANCERS)
NCBPS08O (ADULT SPECIALIST NEUROSCIENCES SERVICES: NEUROLOGY)
NCBPS08P (ADULT SPECIALIST NEUROSCIENCES SERVICES: NEUROPHYSIOLOGY)
NCBPS08S (ADULT SPECIALIST NEUROSCIENCES SERVICES: NEUROSURGERY)
NCBPS11C (ADULT SPECIALIST RENAL SERVICES: ACCESS FOR RENAL DIALYSIS)
NCBPS13G (ADULT SPECIALIST PULMONARY HYPERTENSION SERVICES)
NCBPS13X (ADULT CONGENITAL HEART DISEASE SERVICES)
NCBPS13Z (ADULT SPECIALIST CARDIAC SERVICES: CARDIAC SURGERY (OUTPATIENT))
NCBPS19Z (SPECIALIST SERVICES FOR COMPLEX LIVER, BILIARY AND PANCREATIC DISEASES IN ADULTS)
NCBPS27Z (ADULT SPECIALIST ENDOCRINOLOGY SERVICES)
NCBPS29M (ADULT HIGHLY SPECIALIST RESPIRATORY SERVICES: INTERSTITIAL LUNG DISEASE)
NCBPS29Z (ADULT THORACIC SURGERY SERVICES: OUTPATIENTS)
NCBPS30Z (ADULT SPECIALIST VASCULAR SERVICES)
NCBPS31Z (ADULT HIGHLY SPECIALIST PAIN MANAGEMENT SERVICES)
NCBPS36Z (HIGHLY SPECIALIST METABOLIC DISORDER SERVICES)

- Removal of service lines – NCBPS14Z and NCBPS16Z have been removed and replaced with new service lines, and the others just removed.

APC

NCBPS01S (STEREOTACTIC RADIOSURGERY)
NCBPS14Z (HUMAN IMMUNODEFICIENCY VIRUS)
NCBPS16Z (IMMUNOLOGY)
NCBPS22B (MENTAL HEALTH SERVICES FOR THE DEAF (CHILDREN AND ADOLESCENTS))
NCBPS22D (TIER 4 CHILD AND ADOLESCENT MENTAL HEALTH SERVICES (CAMHS))
NCBPS22C (MENTAL HEALTH SERVICES FOR THE DEAF (ADULTS))
NCBPS22E (EATING DISORDERS)



NAC
NCBPS16Z (IMMUNOLOGY)

- Addition of service lines:

APC
NCBPS04G (SPECIALIST MATERNITY CARE FOR WOMEN DIAGNOSED WITH ABNORMALLY INVASIVE PLACENTA)
NCBPS13A (ADULT SPECIALIST CARDIAC SERVICES: COMPLEX DEVICE THERAPY)
NCBPS13V (HEART AND LUNG TRANSPLANTATION SERVICE: VENTRICULAR ASSIST DEVICES)
NCBPS13Y (ADULT CONGENITAL HEART DISEASE SERVICES)
NCBPS14A (ADULT SPECIALIST SERVICES FOR PATIENTS INFECTED WITH HIV)
NCBPS14C (SPECIALIST SERVICES FOR CHILDREN WITH INFECTIOUS DISEASES: HIV)
NCBPS16X (SPECIALIST IMMUNOLOGY SERVICES FOR ADULTS WITH DEFICIENT IMMUNE SYSTEMS)
NCBPS16Y (SPECIALIST IMMUNOLOGY SERVICES FOR CHILDREN WITH DEFICIENT IMMUNE SYSTEMS)
NCBPS18T (HIGHLY SPECIALIST SERVICES FOR ADULTS WITH INFECTIOUS DISEASES: TROPICAL DISEASES)
NCBPS23D (SPECIALIST EAR, NOSE AND THROAT SERVICES FOR CHILDREN)
NCBPS23P (SPECIALIST DENTISTRY SERVICES FOR CHILDREN)
NCBPS23R (SPECIALIST PLASTIC SURGERY SERVICES FOR CHILDREN)
NCBPS23Z (SPECIALIST PAEDIATRIC UROLOGY SERVICES)
NCBPS36B (BECKWITH-WIEDEMANN SYNDROME WITH MACROGLOSSIA SERVICE)

NAC
NCBPS16X (SPECIALIST IMMUNOLOGY SERVICES FOR ADULTS WITH DEFICIENT IMMUNE SYSTEMS)
NCBPS16Y (SPECIALIST IMMUNOLOGY SERVICES FOR CHILDREN WITH DEFICIENT IMMUNE SYSTEMS)
NCBPS23D (SPECIALIST EAR, NOSE AND THROAT SERVICES FOR CHILDREN)
NCBPS23P (SPECIALIST DENTISTRY SERVICES FOR CHILDREN)
NCBPS23Q (SPECIALIST ORTHOPAEDIC SERVICES FOR CHILDREN)
NCBPS23R (SPECIALIST PLASTIC SURGERY SERVICES FOR CHILDREN)
NCBPS23Z (SPECIALIST PAEDIATRIC UROLOGY SERVICES)

- Changes to Paediatric Surgery – the APC and NAC service lines for specialist paediatric surgery services (NCBPS23X) have had the identification rules for paediatric plastic surgery at Royal Free London NHS Foundation Trust and haemodialysis for non-regular attenders removed.  
New service lines have been created to separate the remaining paediatric surgery activity into services based on treatment function code.
- Trust mergers – to account for mergers involving trusts in Manchester, Birmingham, Derby, Hinchingbrooke, and Ipswich, provider lists have been altered so that where one of the old trusts was present all the old trusts and the new trust will be on the list. In future iterations of the tool the old trusts will be removed.

- Changes to provider criteria – as well as because of the trust mergers, the following service lines have had providers added or removed from their eligibility lists:

APC
NCBPS01M (SPECIALIST CANCER SERVICES: HEAD AND NECK CANCER)
NCBPS01N (SPECIALIST CANCER SERVICES: KIDNEY, BLADDER AND PROSTATE CANCER)
NCBPS01Q (SPECIALIST CANCER SERVICES: RARE BRAIN AND CNS CANCER)
NCBPS01T (SPECIALIST CANCER SERVICES FOR CHILDREN AND YOUNG PEOPLE: YOUNG PEOPLE)
NCBPS01U (SPECIALIST CANCER SERVICES: OESOPHAGEAL AND GASTRIC CANCER)
NCBPS01X (SPECIALIST CANCER SERVICES: PENILE CANCER)
NCBPS03Z (SPECIALIST SERVICES FOR HAEMOPHILIA AND OTHER RELATED BLEEDING DISORDERS)
NCBPS10Z (CYSTIC FIBROSIS SERVICES)
NCBPS11T (ADULT SPECIALIST RENAL SERVICES: RENAL TRANSPLANTATION)
NCBPS13E (ADULT SPECIALIST CARDIAC SERVICES: CARDIAC SURGERY (INPATIENT))
NCBPS16X (SPECIALIST IMMUNOLOGY SERVICES FOR ADULTS WITH DEFICIENT IMMUNE SYSTEMS)
NCBPS16Y (SPECIALIST IMMUNOLOGY SERVICES FOR CHILDREN WITH DEFICIENT IMMUNE SYSTEMS)
NCBPS17Z (HIGHLY SPECIALIST ALLERGY SERVICES)
NCBPS18A (HIGHLY SPECIALIST SERVICES FOR ADULTS WITH INFECTIOUS DISEASES: INFECTIOUS DISEASES)
NCBPS19V (SPECIALIST CANCER SERVICES: PANCREATIC CANCER)
NCBPS23A (SPECIALIST CANCER SERVICES FOR CHILDREN AND YOUNG PEOPLE: PAEDIATRIC CANCER)
NCBPS23D (SPECIALIST EAR, NOSE AND THROAT SERVICES FOR CHILDREN)
NCBPS23M (SPECIALIST NEUROSCIENCE SERVICES FOR CHILDREN)
NCBPS23P (SPECIALIST DENTISTRY SERVICES FOR CHILDREN)
NCBPS23Q (SPECIALIST ORTHOPAEDIC SERVICES FOR CHILDREN)
NCBPS23R (SPECIALIST PLASTIC SURGERY SERVICES FOR CHILDREN)
NCBPS23S (SPECIALIST RENAL SERVICES FOR CHILDREN)
NCBPS23X (SPECIALIST PAEDIATRIC SURGERY SERVICES)
NCBPS23Z (SPECIALIST PAEDIATRIC UROLOGY SERVICES)
NCBPS24Y (SPECIALIST CANCER SERVICES: SKIN CANCER)
NCBPS24Z (HIGHLY SPECIALIST DERMATOLOGY SERVICES)
NCBPS29B (ADULT THORACIC SURGERY SERVICES: COMPLEX THORACIC SURGERY)
NCBPS29M (ADULT HIGHLY SPECIALIST RESPIRATORY SERVICES: INTERSTITIAL LUNG DISEASE)
NCBPS29S (ADULT HIGHLY SPECIALIST RESPIRATORY SERVICES: SEVERE ASTHMA)

NAC
NCBPS01T (SPECIALIST CANCER SERVICES FOR CHILDREN AND YOUNG PEOPLE: YOUNG PEOPLE)
NCBPS03Z (SPECIALIST SERVICES FOR HAEMOPHILIA AND OTHER RELATED BLEEDING DISORDERS)
NCBPS08P (ADULT SPECIALIST NEUROSCIENCES SERVICES: NEUROPHYSIOLOGY)
NCBPS10Z (CYSTIC FIBROSIS SERVICES)
NCBPS11T (ADULT SPECIALIST RENAL SERVICES: RENAL TRANSPLANTATION)
NCBPS16X (SPECIALIST IMMUNOLOGY SERVICES FOR ADULTS WITH DEFICIENT IMMUNE SYSTEMS)
NCBPS16Y (SPECIALIST IMMUNOLOGY SERVICES FOR CHILDREN WITH DEFICIENT IMMUNE SYSTEMS)
NCBPS19Z (SPECIALIST SERVICES FOR COMPLEX LIVER, BILIARY AND PANCREATIC DISEASES IN ADULTS)
NCBPS23A (SPECIALIST CANCER SERVICES FOR CHILDREN AND YOUNG PEOPLE: PAEDIATRIC CANCER)
NCBPS23D (SPECIALIST EAR, NOSE AND THROAT SERVICES FOR CHILDREN)

NCBPS23E (SPECIALIST ENDOCRINOLOGY AND DIABETES SERVICES FOR CHILDREN)  
 NCBPS23F (SPECIALIST GASTROENTEROLOGY, HEPATOLOGY AND NUTRITIONAL SUPPORT SERVICES FOR CHILDREN)  
 NCBPS23H (SPECIALIST HAEMATOLOGY SERVICES FOR CHILDREN)  
 NCBPS23M (SPECIALIST NEUROSCIENCE SERVICES FOR CHILDREN)  
 NCBPS23N (SPECIALIST OPHTHALMOLOGY SERVICES FOR CHILDREN)  
 NCBPS23P (SPECIALIST DENTISTRY SERVICES FOR CHILDREN)  
 NCBPS23Q (SPECIALIST ORTHOPAEDIC SERVICES FOR CHILDREN)  
 NCBPS23R (SPECIALIST PLASTIC SURGERY SERVICES FOR CHILDREN)  
 NCBPS23S (SPECIALIST RENAL SERVICES FOR CHILDREN)  
 NCBPS23T (SPECIALIST RESPIRATORY SERVICES FOR CHILDREN)  
 NCBPS23W (SPECIALIST RHEUMATOLOGY SERVICES FOR CHILDREN)  
 NCBPS23X (SPECIALIST PAEDIATRIC SURGERY SERVICES)  
 NCBPS23Y (HIGHLY SPECIALIST PAIN MANAGEMENT SERVICES FOR CHILDREN)  
 NCBPS23Z (SPECIALIST PAEDIATRIC UROLOGY SERVICES)  
 NCBPS24Y (SPECIALIST CANCER SERVICES: SKIN CANCER)  
 NCBPS24Z (HIGHLY SPECIALIST DERMATOLOGY SERVICES)  
 NCBPS26Z (ADULT HIGHLY SPECIALIST RHEUMATOLOGY SERVICES)  
 NCBPS29M (ADULT HIGHLY SPECIALIST RESPIRATORY SERVICES: INTERSTITIAL LUNG DISEASE)  
 NCBPS29Z (ADULT THORACIC SURGERY SERVICES: OUTPATIENTS)  
 NCBPS30Z (ADULT SPECIALIST VASCULAR SERVICES)  
 NCBPS31Z (ADULT HIGHLY SPECIALIST PAIN MANAGEMENT SERVICES)  
 NCBPS36Z (HIGHLY SPECIALIST METABOLIC DISORDER SERVICES)

- Addition of provider criteria – the following service lines have had provider eligibility checks added to their identification rules:

APC
NCBPS01J (SPECIALIST CANCER SERVICES: ANAL CANCER)
NCBPS01K (SPECIALIST CANCER SERVICES: MALIGNANT MESOTHELIOMA)
NCBPS01V (SPECIALIST CANCER SERVICES: BILIARY TRACT CANCER)
NCBPS01W (SPECIALIST CANCER SERVICES: LIVER CANCER)
NCBPS01Y (SPECIALIST CANCER SERVICES: OTHER CANCERS)
NCBPS04A (HIGHLY SPECIALIST ADULT GYNAECOLOGICAL SURGERY AND URINARY SURGERY SERVICES FOR WOMEN: COMPLEX MINIMAL ACCESS GYNAECOLOGY SURGERY)
NCBPS08P (ADULT SPECIALIST NEUROSCIENCES SERVICES: NEUROPHYSIOLOGY)
NCBPS08R (ADULT SPECIALIST NEUROSCIENCES SERVICES: NEURORADIOLOGY)
NCBPS13B (ADULT SPECIALIST CARDIAC SERVICES: CARDIAC ELECTROPHYSIOLOGY AND ABLATION)
NCBPS13C (ADULT SPECIALIST CARDIAC SERVICES: INHERITED CARDIAC CONDITIONS)
NCBPS13N (HEART AND LUNG TRANSPLANTATION SERVICE: HEART AND LUNG TRANSPLANTATION)
NCBPS13V (HEART AND LUNG TRANSPLANTATION SERVICE: VENTRICULAR ASSIST DEVICES)
NCBPS13X (ADULT CONGENITAL HEART DISEASE SERVICES)
NCBPS13Y (ADULT CONGENITAL HEART DISEASE SERVICES)
NCBPS14A (ADULT SPECIALIST SERVICES FOR PATIENTS INFECTED WITH HIV)
NCBPS14C (SPECIALIST SERVICES FOR CHILDREN WITH INFECTIOUS DISEASES: HIV)
NCBPS18C (SPECIALIST SERVICES FOR CHILDREN WITH INFECTIOUS DISEASES)
NCBPS18T (HIGHLY SPECIALIST SERVICES FOR ADULTS WITH INFECTIOUS DISEASES: TROPICAL DISEASES)
NCBPS19Z (SPECIALIST SERVICES FOR COMPLEX LIVER, BILIARY AND PANCREATIC DISEASES IN ADULTS)

NCBPS23B (PAEDIATRIC CARDIAC SERVICES)
NCBPS23E (SPECIALIST ENDOCRINOLOGY AND DIABETES SERVICES FOR CHILDREN)
NCBPS23F (SPECIALIST GASTROENTEROLOGY, HEPATOLOGY AND NUTRITIONAL SUPPORT SERVICES FOR CHILDREN)
NCBPS23H (SPECIALIST HAEMATOLOGY SERVICES FOR CHILDREN)
NCBPS23N (SPECIALIST OPHTHALMOLOGY SERVICES FOR CHILDREN)
NCBPS23T (SPECIALIST RESPIRATORY SERVICES FOR CHILDREN)
NCBPS23W (SPECIALIST RHEUMATOLOGY SERVICES FOR CHILDREN)
NCBPS23Y (HIGHLY SPECIALIST PAIN MANAGEMENT SERVICES FOR CHILDREN)
NCBPS29A (ADULT HIGHLY SPECIALIST RESPIRATORY SERVICES: PULMONARY VASCULAR SERVICES)
NCBPS29E (ADULT HIGHLY SPECIALIST RESPIRATORY SERVICES: MANAGEMENT OF CENTRAL AIRWAY OBSTRUCTION)
NCBPS30Z (ADULT SPECIALIST VASCULAR SERVICES)
NCBPS38S (SPECIALIST HAEMOGLOBINOPATHY SERVICES: SICKLE CELL ANAEMIA)
NCBPS38T (SPECIALIST HAEMOGLOBINOPATHY SERVICES: THALASSEMIA)

NAC

NCBPS02Z (BLOOD AND MARROW TRANSPLANTATION SERVICES)
NCBPS13X (ADULT CONGENITAL HEART DISEASE SERVICES)
NCBPS17Z (HIGHLY SPECIALIST ALLERGY SERVICES)
NCBPS20Z (SPECIALIST CLINICAL GENOMIC SERVICES)
NCBPS23B (PAEDIATRIC CARDIAC SERVICES)
NCBPS27Z (ADULT SPECIALIST ENDOCRINOLOGY SERVICES)

- New rules for non-dominant procedures – to account for the procedure hierarchy scores and the fact procedure combinations are not recognised in the Prescribed Services tool, new rules have been created for:

APC

NCBPS13V (HEART AND LUNG TRANSPLANTATION SERVICE: VENTRICULAR ASSIST DEVICES)
NCBPS34A (ADULT SPECIALIST ORTHOPAEDIC SERVICES: SPECIALIST ORTHOPAEDIC SURGERY)
NCBPS34R (ADULT SPECIALIST ORTHOPAEDIC SERVICES: ORTHOPAEDIC REVISIONS)

These mean that, for example, the relatively simple procedure L914 (Removal of central venous catheter) will not dominate W052 (Implantation of massive endoprosthetic replacement of bone), and the episode will get the service line NCBPS34A.

If you have further questions relating to the change in the specification of the identification Rules then please contact NHS England Specialised Commissioning Team at [england.boffice\\_speccom@nhs.net](mailto:england.boffice_speccom@nhs.net)

If you have any questions or issues regarding the functionality of the PSS 2019/20 Planning Tool, please contact [enquiries@nhsdigital.nhs.uk](mailto:enquiries@nhsdigital.nhs.uk).

## Appendix

There is one known error within the PSS 2019/20 Planning Tool which is cosmetic and does not affect functionality. This concerns the NAC single spell processing and the fact that DIAG01 is bold. This implies that the field is mandatory, and this is not the case. This will be rectified in the PSS 2019/20 Operational Tool