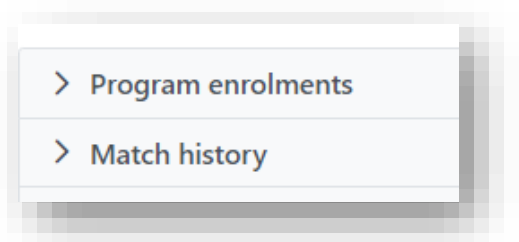A match event is created when OrganMatch looks at a potential match between a recipient and donor via the high-level compatibility check, even for pairings that were not compatible. This allows the user to check for a recipient or donor, who they were compared with, and the result of the comparison.

1. VIEWING A MATCH EVENT

FROM PERSON RECORD

1. To view a match event from the **Person** record click **Match History.**

2. Match events are listed in the table.

3. Click a row in the **Match history** table to open a match event.

FROM TRANSPLANT WAITING LIST MATCHING SCREEN

1. To view a match event from the **Transplant waiting list matching** screen, click **Donor Dashboard.**
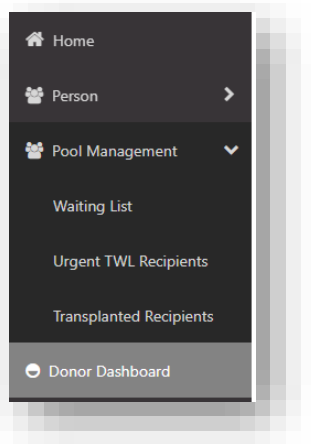
2. Click on the donor record to be viewed.
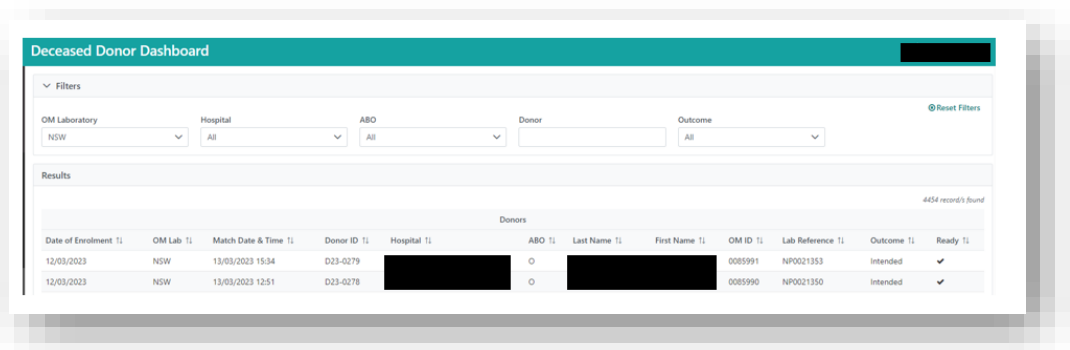
3. Click **View TWL Match** to open the **Transplant waiting list matching** screen.
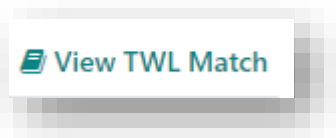
4. Click on a row in the **Matching recipients** table to view the match event.

VIEW THE MATCH DETAILS IN EACH TAB IN THE MATCH EVENT

Information contains information related to changes made to the match event including:

- **Last updated on** – this is the date the match event is initially created and is updated when any data is updated in Match event outcomes, Histocompatibility assessment and providers. Adding a note or attachment will not update this date.

- **Last updated by** – is the user that created the match and then the subsequent updates.

- **Published Status** – published date and Published by – described in **5. Publishing a Match** Event.

Match event outcomes contains high-level match details, such as:

- Matched Date and Algorithm Assessment, and Pair Blocked and Block Reason for KPD pairs.

Editable details for **Compatibility Status**, **Offer Status**, **Reason(s) for Decline** and **Transplanted**.

Offer Status is synced with Organ Offer Management in the Donation Portal and may display Offered, Accepted or Declined.

- A comments field can be used to add comments.

- Functionality in this field is described in **Update Match Event Outcomes**.

- For KPD additional fields are viewable, but not editable by the laboratory. Offered Date, Medical Acceptance Date, Surgical Acceptance Date and Proposed Theatre Date will be updated by the ANZKX team via the Transplantation Portal.

Histocompatibility Assessment displays information specific to histocompatibility matching.

- Functionality in this field is described in **2. View, Update and Assess the Histocompatibility** Assessment**.**

Recipient Transplant History shows details of previous transplant events, transplant date, Organ program, Transplant pathway, Donor Name, Lab Ref, Donor HLA typing and allelic differences.

Notes and Attachments allows the user to add notes and attachments at the match event level.

Any notes that are flagged to appear in the match event in the recipient's record will appear here.

Providers shows the associated doctors, clinical and transplant unit details for the recipient and donor. To update provider, see **Update the Provider Information**.

Match parameters displays the donor and recipient parameters used to create the Match Event: See Appendix 1

Matching algorithms shows the outcome of all algorithms used to match the donor to the recipient.

2. VIEW, UPDATE AND ASSESS THE HISTOCOMPATIBILITY ASSESSMENT

HLA mismatches between the recipient and the donor are automatically calculated for HLA A, B, C, DRB1, DQB1, DQA1, DPB1, DPA1 and DRB3,4,5.

HISTOCOMPATIBILITY ASSESSMENT TAB.

2.1 ALLELIC ASSESSMENT

1. Click **Edit** in the **Allelic assessment**.

Comments can be added when allelic differences are identified but the differences do not represent a mismatch (e.g. DPB1*03:01 vs. DPB1*104:01), or allelic difference exists at allele level only.

2. Enter the results in **Eplet load** in the applicable fields: **Class I**, **Class II** and **Total**.

3. Click **Save**.

2.2 DSA ASSESSMENT

1. Click **Edit** in the **DSA assessment.**
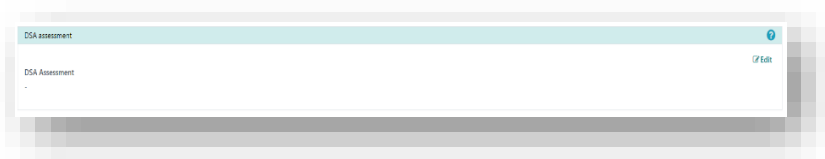
Note: The Help icon displays a link to the Donor Specific Antibody assignment document (OM-033)
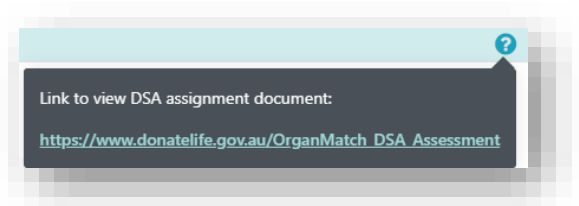
2. Click **Check for recipient DSA**. The **Save** button is disabled until this button is clicked.
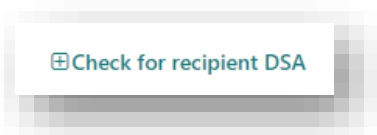
Note: If there are no HLA antibody records ticked for DSA in the recipient's record a pop up will appear. Review the recipients results before selecting the approriate assessment.
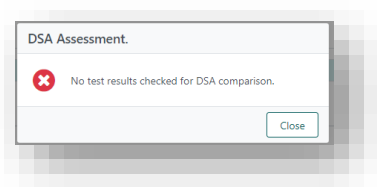
3. Assess the DSA identified and indicate whether the row will appear on the match event report, transplant event report or OOL report (**Show on Report** checkbox), update the **DSA category** (Specific or Potential) and add a **DSA note**.

   For further details refer to OM-033 Donor Specific Antibody Assignment.

Show on Report	DSA Category ↑↓	Recipient Antibody ↑↓	Donor HLA ↑↓	MFI ↑↓	Strength Rating ↑↓	Sample Date ↑↓	DSA Note ↑↓	Test Result Reportable Note ↑↓	Ig Isotype ↑↓	Sera Treatment ↑↓	Class ↑↓	Sample Tag ↑↓
☐	Potential ⌄	B*0B:01	B*0B	2325	Moderate	23/10/2020			IgG	EDTA	Class I	

4. The number of days since the last Single Antigen test will display on the DSA assessment banner. This is calculated from the sample date of the most recent sample ticked for DSA assessment at the time of retrieving the DSA result. This result can be ticked in the **HLA antibody screen results** tab or the **Antibody consolidation** tab.

   DSA assessment - 41 days since last Single antigen test result

   DSA Assessment
   Class II DSA identified

Show on Report	DSA Category ↑↓	Recipient Antibody ↑↓	Donor HLA ↑↓	MFI ↑↓	Strength Rating ↑↓	Sample Date ↑↓
✔	Specific	DRB4*01:01	DRB4*01	1172	Weak	04/11/2021
✔	Specific	DRB4*01:01	DRB4*01	1023	Weak	06/07/2023
✔	Specific	DRB4*01:01	DRB4*01	1017	Weak	08/09/2022
✔	Specific	DRB4*01:03	DRB4*01	626	Weak	04/11/2021

5. Click **Save.**

   Cancel   Save
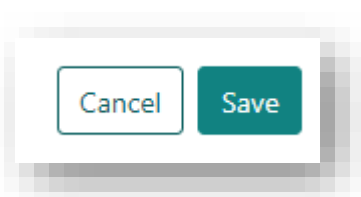
2.2 CROSSMATCH ASSESSMENT

1. Click **Edit** in **Crossmatch assessment.**

2. Click **Retrieve results**. All verified crossmatch results between the selected donor and recipient are retrieved and displayed on screen.
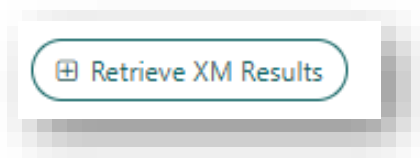
3. Tick **Show on Report** next to results required to appear on the report for LDD or KPD match events.

    For TWL match events - the default setting **Show on report** is ticked. If these results are not to be displayed, unticking is needed.

    To display all results on the report, tick **Show on report** in the table header.

    When **Show on Report** is ticked these results will appear in the match event report, transplant event report or OOL report.

Show on Report ↑↓	Serum Sample Reference ↑↓	Serum Sample Date ↑↓	Peak ↑↓	Cell Sample Reference ↑↓	Crossmatch Type ↑↓	Additive ↑↓	Cell Treatment ↑↓	Result Score ↑↓	Result ↑↓	Channel Shift from threshold ↑↓	XM Date ↑↓	Test Date ↑↓
☑	N-22-914638-A	18/12/2022	No	N-22-914482-A	FXM-T-IgG		Pronase		Negative	-20	21/12/2022	21/12/2022
☑	N-22-914638-A	18/12/2022	No	N-22-914482-A	FXM-B-IgG		Pronase		Negative	-94	21/12/2022	21/12/2022
☑	671366	05/04/2016	No	N-22-914482-A	FXM-T-IgG		Pronase		Strong Positive	277	21/12/2022	21/12/2022
☑	671366	05/04/2016	No	N-22-914482-A	FXM-B-IgG		Pronase		Positive	206	21/12/2022	21/12/2022

4. Select the appropriate **XM assessment** comment in the applicable drop-down list(s), depending on the crossmatch method to be reported.

    The selected text may be edited or entered as free text.
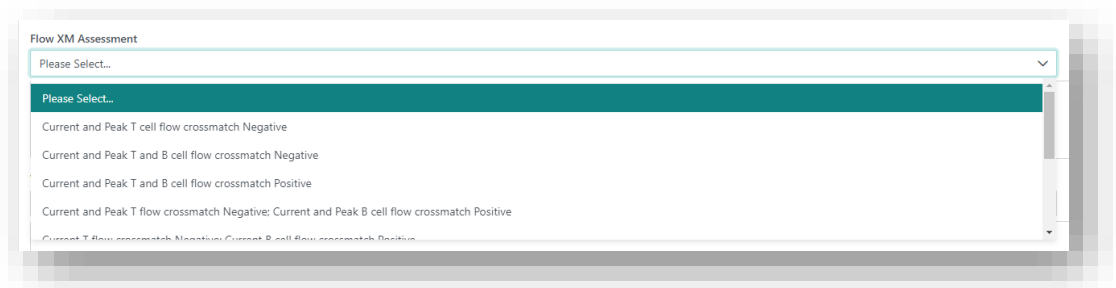
5. Click **Save**.
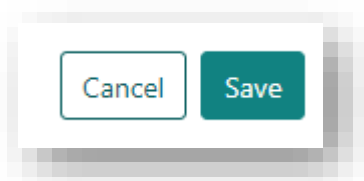
2.3 RECIPIENT UNACCEPTABLE ANTIGEN PROFILE AND ASSESSMENT

The Recipient Unacceptable Antigen Profile and Assessment field displays the Unacceptable Antigen (UA) assessment specific to the donor in progress, and the Authorised Unacceptable Antigen profile of the patient.

The following options can be displayed in the **Unacceptable antigen assessment**:
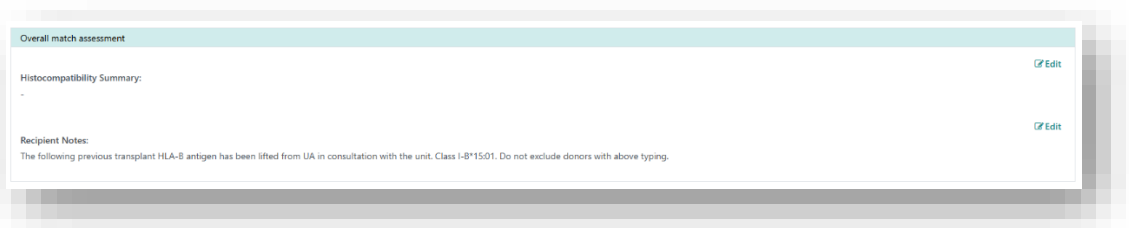
If UA assessment displays…	Then…
Specific UA	The recipient has unacceptable antigens authorised against the donor typing and will be excluded via the matching algorithms. Review of the recipients' unacceptable antigens and donor typing is required to determine compatibility which can be noted in the **Overall match assessment**.
Potential UA	The recipient has potential unacceptable antigens authorised against the donor typing and has acceptable antigens listed. Review of the recipients' unacceptable antigens and donor typing is required to determine compatibility which can be noted in the **Overall match assessment**.
No UA identified	No unacceptable antigens have been authorised for this recipient against the donors typing.

2.4 OVERALL MATCH ASSESSMENT

1. Click **Edit** in **Overall match assessment.**
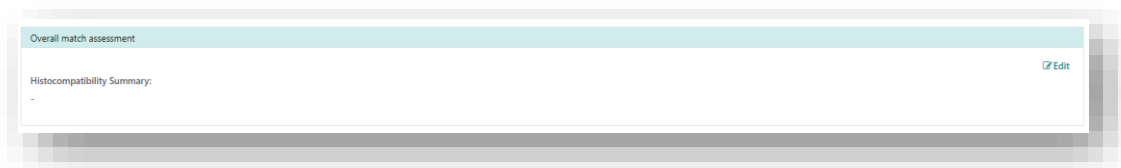
2. Any notes selected to appear in the Match Event will be displayed in the Histocompatibility Summary. Edit the note or enter additional assessment information for the outcome of the match event.
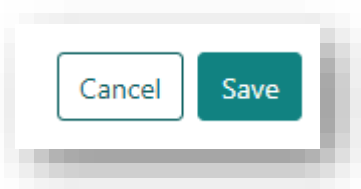
Note: The **Histocompatibility Summary** on the Organ Offer List (OOL) will populate with the DSA assessment, crossmatch assessment and Days since last Single Antigen test result.
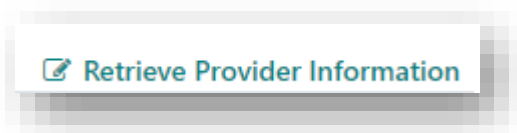
3. Click **Save**.

3. UPDATE THE PROVIDER INFORMATION

If an enrolment is updated with a new provider, after a match event is created, the match event will need to be refreshed with the new information.

1. Click **Retrieve Provider Information i**n the **Providers** section.

2. A confirmation pop up will appear as below.
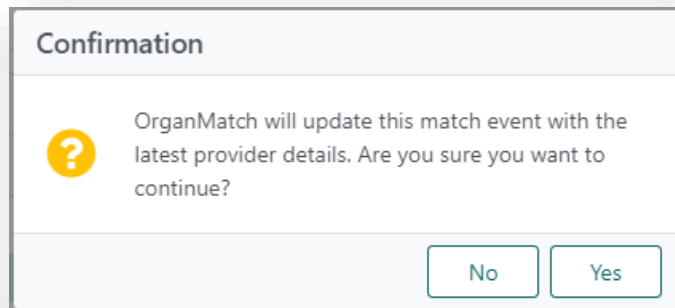
3. Select **Yes** to update the providers with the most recent information from the enrolment.

4. UPDATE MATCH EVENT OUTCOMES

1. Click **Edit** on the **Match outcomes** tab.
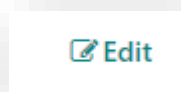
2. Select the **Compatibility Status** from the dropdown**,** based on Histocompatibility Assessment, the transplant unit and organ type.
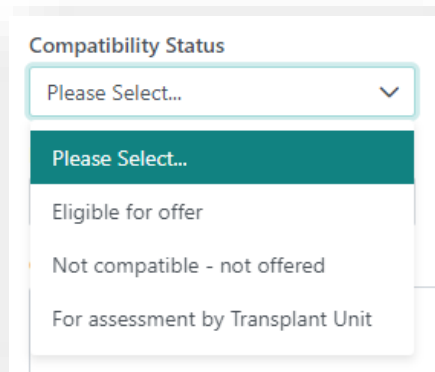
Select…	Then…
Eligible for offer	The recipient is compatible and will appear on the OOL or match event report. This status is used for Kidney recipients.
Not compatible- not offered	The recipient is not compatible with the donor and will be excluded from the OOL.
For assessment by Transplant Unit	The transplant unit determines the final match compatibility. This status is used for non-renal and combined organs.

3. If the recipient is not compatible, select a **Not Compatible Reason** from the dropdown. This is a mandatory field which needs to be selected to be able to save. See Appendix 2 for dropdown selections and scenarios to use them.
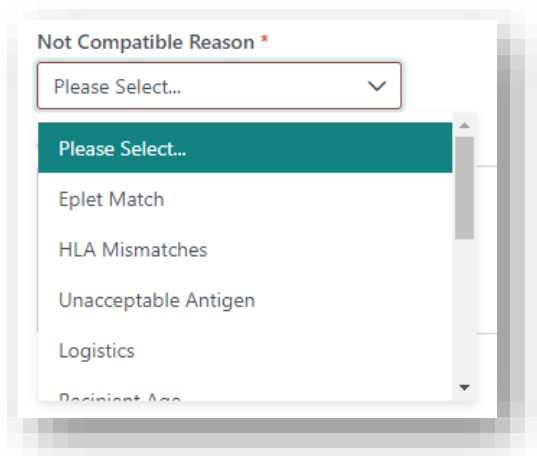
4. Click **Save**.
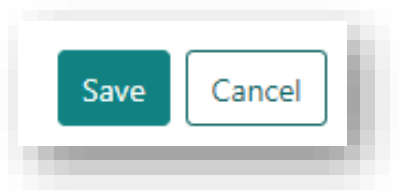
KPD MATCH EVENT OUTCOMES

Additional fields are viewable in the Match Event Outcomes tab for KPD:

- Offered Date
- Medical Acceptance Date
- Surgical Acceptance Date
- Proposed Theatre Date

Note:

These fields will be updated by the ANZKX team via the Transplantation Portal.

These fields will not be editable by the laboratory.

5. PUBLISHING A MATCH EVENT

Publishing a match event will allow the match event to be viewed by clinicians and DonateLife agencies from the OrganMatch Transplantation Portal and the Donation Portal.

From the Transplant Waitlist Matching screen, the published status is shown. The status is also viewable in the match history table.

There are several ways that match event can be published, depending on the program/pathway:

The person who last updated the match event will be displayed in the information section of the match event. This user will not have access to publish the match event and the Publish button is disabled. A different user is required to publish the match event.

Users with On-call for TWL Matching access can Bulk Publish TWL Match Events. Once these match events are published, the **Eligible for offer** and **For assessment by Transplant Unit** status will be visible in the Transplantation Portal and the Donation Portal. The status **Not compatible- not offered** does not appear in either portal.

Users with On-call for TWL Matching access, or Senior Lab User access can publish individual Match Events. Users with Kidney Paired Donation (KPD) National Lab Coordinator access can publish KPD Match Events.

See Section **5.3 Publishing KPD Match Events.**

Living Directed Donor (LDD) and KPD match events will be automatically published when the Match event report is authorised. Once these match events are published, they will be visible in the Transplantation Portal.

5.1 PUBLISHING TWL MATCH EVENTS

1. To publish an individual match event, navigate to the match event and click **Publish.**

The **Information** tab will be updated and the **Published Status** will display as Published

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2. To bulk publish match events, navigate to the **TWL matching** screen and click **Publish.**

Note: The bulk publish function only publishes match events displayed on the current page. If there are filters applied it will only publish filtered match events on the current page.

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3. A confirmation pop up will appear as below. Select **Yes** to publish the match events.
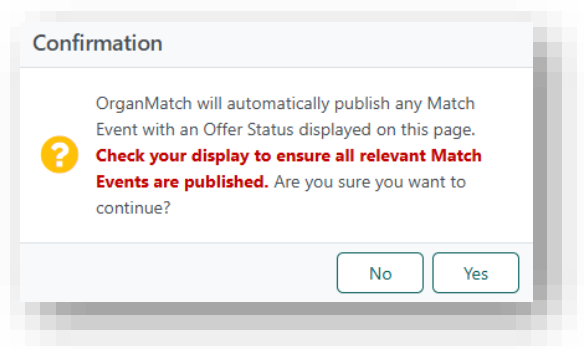
Note:

Once a match event is published the Histocompatibility Assessment and Match Event Outcome – Compatibility Status cannot be modified unless the match event is unpublished. See **6. Unpublishing a Match** Event**.**
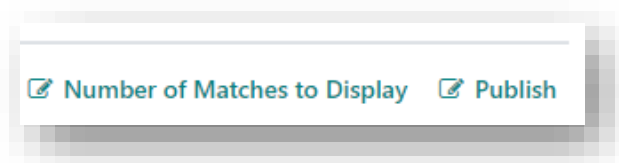
5.2 PUBLISHING LDD MATCH EVENTS

1. To publish an LDD match event, navigate to the match event and click **Publish.**

The **Information** tab will be updated and the **Published Status** will display as Published.

2. Published LDD match events are now visible under the Live Donor match history section in the transplant portal.

5.3 PUBLISHING KPD MATCH EVENTS

Publishing a KPD match event is performed by the ANZKX Tissue Typing Coordinator (ATTC) or delegate as there is a requirement for this to occur in consultation with the ANZKX program director or delegate. Publishing will be performed via the Bulk Publish function or via report authorisation by the ATTC.

Published KPD match events are now visible under the Living Donor match history banner in the transplant portal.

In the event a Match Event is not visible on the Transplantation Portal, the Match Event can be published by the ATTC by following the steps in Section **5.2 Publishing LDD Match Events.**

6. UNPUBLISHING A MATCH EVENT

An individual match event can be unpublished to modify data in the **Histocompatibility assessment,** the **Match Event Outcome – Compatibility Status** or to update the providers.

To unpublish a match event, on the Match Event, click **Unpublish**.
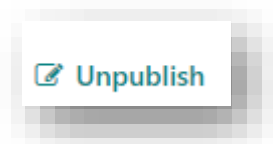
Note: If you are unpublishing a match event for a deceased donor, a prompt will be displayed "Do you want to disable the generation of OOL report for this donor in Donation Portal?" If Yes is selected the **Generate OOL report button** will be disabled in the Donation Portal.

APPENDIX 1: MATCH PARAMETERS

Donor Type/Organ/Pathway	Donor Parameter	Recipient Parameter
Deceased Donor Kidney TWL	Extended Acceptance Criteria − HepC Ab pos − TRK − Increased Viral Risk − Match KDPI (percentile)	Acceptance Criteria − Accept HepC Ab pos − Accept TRK − Accept Increased Viral Risk − Accept ABOi Renal Parameters − EPTS − Max KDPI − Dialysis start Date TWL renal parameters − Paediatric status − State Matching Urgency − National Matching Urgency
Deceased Donor Kidney/Pancreas TWL	Extended Acceptance Criteria − HepC Ab pos − TRK − Increased Viral Risk − Match KDPI (percentile)	Renal Parameters − EPTS − Max KDPI − Dialysis start Date Clinical Parameters − Referral date − eGFR at referral − Date eGFR is less than 15 ml/min − Activation date Patient Category − National Priority

Deceased Donor Lung TWL	Height & Weight − Height (cm) − Weight (kg)	Acceptable Height Range (cm) − From – To Patient Category − Urgent (National Notification) − Urgent Category
Deceased Donor Heart TWL	Height & Weight − Height (cm) − Weight (kg) − Predicted Heart Mass	Height & Weight − Height (cms) − Weight (kg) − Predicted Heart Mass − Predicted Heart Mass Mismatch Patient Category − Urgent − Urgent Reason

APPENDIX 2: NOT COMPATIBLE REASON

Not Compatible Reason	Scenario
Eplet Match	Select when a recipient is excluded from the list as the transplant unit is wanting a better match for the recipient.
HLA Mismatches	Select when a recipient is excluded from the list as the transplant unit has specified the number of mismatches they will accept. For example, the transplant unit has specified they want the recipient and donor to be matched at DRB1.
Unacceptable Antigen	Select when a recipient is excluded from the list due to an unacceptable antigen against the donor. This is used in the case where there may be recipient acceptable antigens listed, and a scientist decision for compatibility is required.
Logistics	Select where a recipient is excluded from the list due to logistics with a donor. For example, if a donor organ cannot be offered interstate due to prolonged cold ischaemic time.
Recipient criteria Donor Age acceptance	Select where a recipient is excluded from the list due a donor age restriction as specified by the transplant unit. For example, a young recipient may require a donor not over a certain age which the unit will specify.
Donor Age Restriction for allocation	Select where a recipient is excluded from the list due an age restriction on the donor, usually requested from Donate Life or medical director. For example, Donate Life have directed the lab to only match against recipients over 65 years of age.
Donor Medical Issues	Select where a recipient is excluded from the list due to a medical issue relating to the donor.
Pre-emptive listing of recipient	Select where a recipient is excluded from the list as they are not on dialysis.
Other	Select where a recipient is excluded from the list for any other reason not specified in the dropdown selections.
IVRD -Recipient not consented	Select when recipient has not been consented to accept IVRD and donor has been flagged as IVRD
On Advice of Transplant Unit	Select when the transplant unit has advised they won't accept any offers from the donor. Specific reason to be added to the comments.

Donor Recipient Size Mismatch	Select when the recipient is excluded due to the size or weight of a donor. For example, a young recipient may require a small donor not above a certain weight threshold.

DEFINITIONS

Term/abbreviation	Definition
ABOi	ABO incompatible
ATTC	ANZKX Tissue Typing Coordinator
DSA	Donor-Specific Antibody
eGFR	Estimated Glomerular Filtration Rate. A key indicator of kidney function.
Donation Portal	OrganMatch portal for Donate Life Agencies
EPTS	Estimated Post-Transplant Survival
Hep B	Hepatitis B
Hep C	Hepatitis C
KDPI	Kidney Donor Profile Index
KPD	Kidney Paired Donation
LDD	Living Directed Donor
LNDD	Living Non Directed Donor
OOL	Organ Offer List
TRK	Tumour-Resected Kidney
Transplantation Portal	OrganMatch portal for transplant clinicians and coordinators. Previously known as Clinical Portal.
TWL	Transplant Waiting List
UA	Unacceptable Antigens
XM	Crossmatch

REFERENCED INTERNAL DOCUMENTS

Document number	Source
OM-033	Donor Specific Antibody Assignment.

CHANGE HISTORY

Version number	Effective date	Summary of change
-	-	For previous change histories contact the National OrganMatch Office.
16	03/04/2024	• Addition of not compatible reasons in appendix 2.
17	17/09/2024	Update for OrganMatch Sprint 54: • Section 5 updated to cover Not Compatible- Not Offered match events no longer appearing in the TP. Other: • Match event outcomes updated with change in field labels.
18	Refer to footer	Update for OrganMatch Sprint 57: • Match event details updated with synced data for Offer Status from the Donation Portal. • Section 2.4 updated with new functionality of displaying match event notes in the histocompatibility summary. • Section 5.1 updating with new wording for confirmation prompt when bulk publishing.

ELECTRONIC SIGNATURE

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